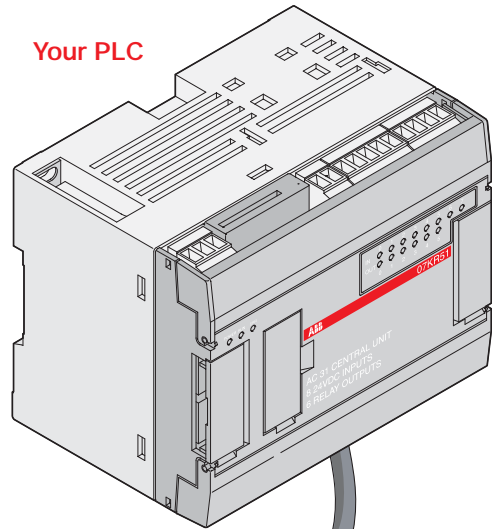


Pre-wiring system for PLC's Interfast



Interfast, PLC wiring system



Interfast, ABB Entrelec's PLC wiring system, includes prewired and tested PLC plus 100's of interface assemblies to allow easier connection of your PLC to field and control equipment.

Interfast offers :

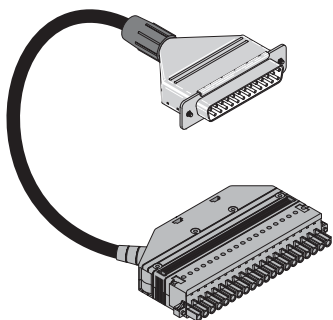
- Prewired and pretested PLC cables mate with your PLC
- Cable lengths to 5 meters and higher
- Reduce PLC wiring time from hours to minutes
- Standard terminal blocks plus relay and optocoupler interfaces
- Eliminate testing
- Customize output
- Operate in restricted space

Simplify field wiring to all PLCs including :

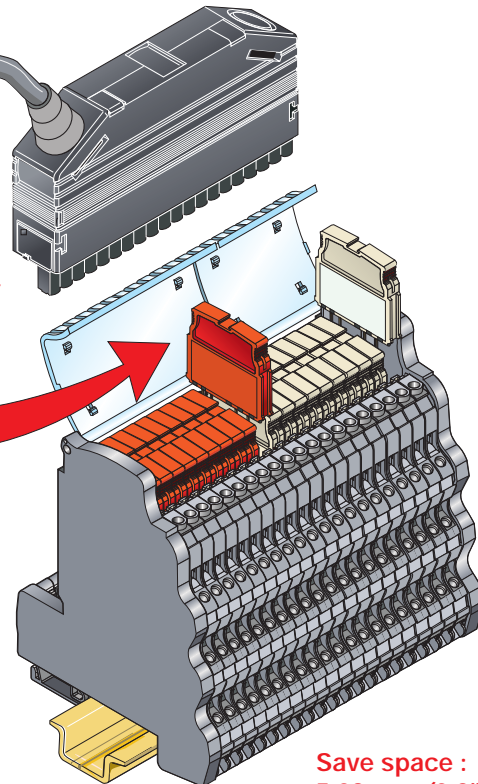
ABB	AEG	Allen Bradley
SIEMENS	Cegelec	Omron
Télemécanique	GE Fanuc	Mitsubishi

Swing arm
prewired by ABB

Choose among 100s of standard interface assemblies or customize your own. Install relays, optos, fuses, switches, and other plugs.

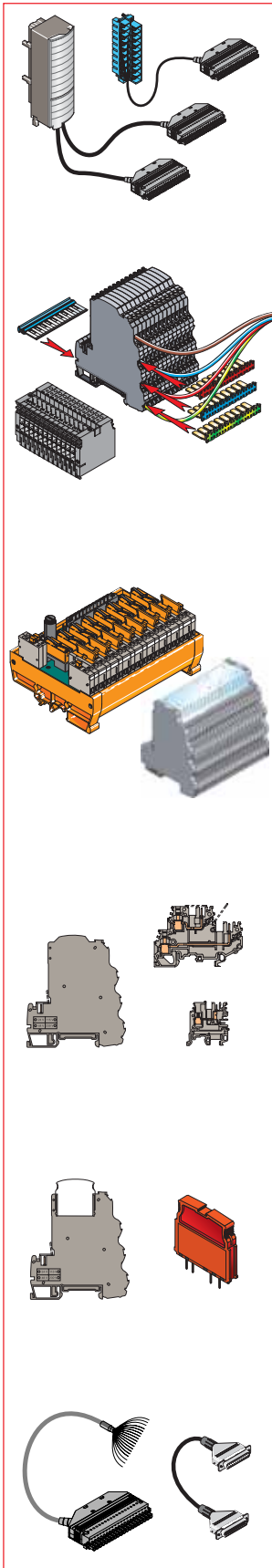


Choose our plug-to-plug cable when your PLC is equipped with a connector on the I/O card.



Save space :
5,08 mm (0.2") per PLC point.

Interfast, PLC wiring system



Prewired and pretested PLC cable connections

Eliminate testing and reduce your PLC wiring time from hours to minute. These prewired and pretested cables easily connect PLCs to control and field equipment. Typical cables consist of a PLC swing arm or connector on one end that plugs into the customer's PLC I/O board plus a connector on the other end which plugs into an ABB Entrelec interface module.

Connection interfaces

Ready-to-go preassembled modules for interfacing your PLC to control equipment. Select 8, 16 or 32 channel modules with single to four wire circuits. Interface modules available with features to enhance your design including fuses, switches, plugs, and test points. Available with screw clamp or spring connection.

Relay and optocoupler interfaces

Interface to relay or optocoupler modules to provide circuit isolation and safety between your PLC and control or field equipment. Select from preassembled modules containing up to 16 relays or optocouplers. Screw clamp or spring connection. Pluggable and nonremovable relays, 1 SPDT, 2 SPDT, with fused output, 8, 12 and 16 relay output. Pluggable and nonremovable input and output optocouplers, 16 inputs and 16 outputs.

Interface terminal blocks, standard and Interfast MS

Select individual modular terminal blocks to create your own interface assembly. These compact blocks, only 5,08 mm spacing, provide functions including feed through, switch disconnect, and automotive type fuse up to 32 V. The Interfast MS type modular blocks, compared to the standard modular blocks, offer additional features including four wire inputs, wide choice of internal pin out connections, and the ability to accept different plug-in functions, as described below.

Universal interface for Interfast MS plugs

For total customization, select an Interfast MS modular terminal block which accepts function plugs including strap, fuse, relay, input and output optocouplers, and more.

Multipurpose connection cables

Prewired and pretested cables are terminated with selectable connector types or individual wires. Use for standard or custom connection to PLCs or other electronic equipment. Cable terminations include multiple individual wires, Omnicontact, HE 10/26, and Sub D connectors.



Main Summary



Summary

A - Prewired swing arms	5
B - Terminal blocks assemblies : Interfast MS	125
- Screw connection interfaces	126
- Screw decoupling interfaces	140
- Universal interfaces	147
- Spring connection interfaces	149
C - Interface boards	151
- Screw connection interfaces	152
- Screw decoupling interfaces	162
- Spring connection interfaces	178
- Spring decoupling interfaces	188
D - Interfast Terminal blocks	199
E - Accessories and marking	209
F - Index	225





Prewired swing arms



Summary

A1 - INTERFAST for ABB PLC's

ABB AC31	6
ABB S800.....	11

A2 - INTERFAST for SIEMENS PLC's

S7 200	14
S7 300	26
S7 400	45

A3 - INTERFAST for TÉLÉMÉCANIQUE PLC's

TSX 37 - MICRO.....	54
TSX 57 PREMIUM.....	60

A4 - INTERFAST for AEG PLC's

TSX QUANTUM.....	71
------------------	----

A5 - INTERFAST for GE FANUC / CEGELEC PLC's

90 - 30 and 80 - 35.....	80
--------------------------	----

A6 - INTERFAST for ALLEN BRADLEY PLC's

Control Logix.....	91
SLC 500.....	100

A7 - INTERFAST for OMRON PLC's

C200H	106
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A8 - INTERFAST for MITSUBISHI PLC's

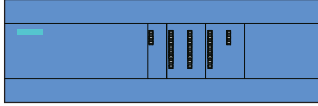
MELSEC A.....	115
MELSEC AnS	117

A9 - Connection cables

119

CONNECTION TECHNOLOGY SELECTION GUIDE

ABB AC31



Multipurpose cable

See chapter
"Connection cables"



interfast 2

Swing arm pre-wired by ENTRELEC

HDI High density range



STI standard range



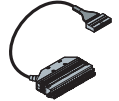
Sub D range Shielded cable



interfast 3

PLC used has a connector on the card

STI range cable

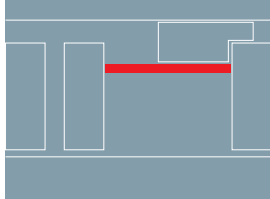


References

				See page	See page	See page
CPU series 40						
07 CR 41 - 24 VDC				Page 7		
07 CR 41 - 120 / 230 V				Page 7		
07 CT 41 - 24 VDC				Page 7		
07 CR 42 - 24 VDC				Page 7		
07 CR 42 - 120 / 230 V				Page 7		
07 CT 42 - 24 VDC				Page 7		
CPU series 50						
07 KR 51 - 24 VDC				Page 7		
07 KR 51 - 120 / 230 V				Page 7		
07 KT 51 - 24 VDC				Page 7		
Off-center housing						
ICMK 14 F1 - 24 VDC				Page 7		
ICMK 14 F1 - 120 / 230 V				Page 7		
ICMK 14 N1 - 24 VDC				Page 7		
ICMK 14 F1-M - 24 VDC				Page 7		
ICMK 14 F1-M - 120 / 230 V				Page 7		
ICMK 14 N1-M - 24 VDC				Page 7		
Series 90 module						
07 DC 92					Page 10	
Extension module						
XI 16 E1				Page 8		
XO 16 N1				Page 8		
XC 32 L1						Page 9
XC 32 L2						

interfast 3

ABB - AC31
PLC board with built-in
connector. Cable with
Omniconnect connector.



■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - AWG 22	0,34mm ² - AWG 22
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector interface	1 Plug 11 poles	2 Plugs 3 poles + 1 Plug 5 poles

CPU Series 40



8 Inputs

6 Outputs

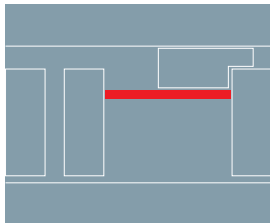
⁽¹⁾ Do not connect the ground wire
⁽²⁾ Interfast MS only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
07CR 41 - 24 V DC		8 opto	07CR 41 - 24 V DC		
07CR 41 - 120 / 230 V			07CR 41 - 120 / 230 V		
07CT 41 - 24 V DC		8 opto	07CT 41 - 24 V DC	⁽¹⁾	8 relays N ⁽¹⁾⁽²⁾ / 8 opto N ⁽¹⁾⁽²⁾
07CR 42 - 24 V DC		8 opto	07CR 42 - 24 V DC		
07CR 42 - 120 / 230 V			07CR 42 - 120 / 230 V		
07CT 42 - 24 V DC		8 opto	07CT 42 - 24 V DC	⁽¹⁾	8 relays N ⁽¹⁾⁽²⁾ / 8 opto N ⁽¹⁾⁽²⁾

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	LA150/AC31-ABB/OMN12/634	0036 911.00	0037 911.01	LA150/AC31-ABB/OMN12/633	0036 905.13	0037 905.14
2 m	LA200/AC31-ABB/OMN12/634	0036 912.01	0037 912.02	LA200/AC31-ABB/OMN12/633	0036 906.14	0037 906.15
2,5 m						
3 m	LA300/AC31-ABB/OMN12/634	0036 914.03	0037 914.04	LA300/AC31-ABB/OMN12/633	0036 908.26	0037 908.27
4 m						
5 m	LA500/AC31-ABB/OMN12/634	0036 916.05	0037 916.06	LA500/AC31-ABB/OMN12/633	0036 910.13	0037 910.14

interfast 3

ABB - AC31
PLC board with built-in
connector. Cable with
Omniconnect connector.



■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - AWG 22	0,34mm ² - AWG 22
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector interface	1 Plug 11 poles	2 Plugs 3 poles + 1 Plug 5 poles

CPU Series 50 ICMK remote box



8 Inputs

6 Outputs

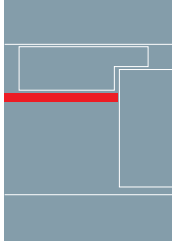
⁽¹⁾ Do not connect the ground wire
⁽²⁾ Interfast MS only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
07KR 51 - 24 V DC		8 opto	07KR 51 - 24 V DC		
07KR 51 - 120 / 230 V			07KR 51 - 120 / 230 V		
07KT 51 - 24 V DC		8 opto	07KT 51 - 24 V DC		8 relays N ⁽¹⁾⁽²⁾ / 8 opto N ⁽¹⁾⁽²⁾
ICMK14F1 - 24 V DC		8 opto	ICMK14F1 - 24 V DC		
ICMK14F1 - 120 / 230 V			ICMK14F1 - 120 / 230 V		
ICMK14N1 - 24 V DC		8 opto	ICMK14N1 - 24 V DC		8 relays N ⁽¹⁾⁽²⁾ / 8 opto N ⁽¹⁾⁽²⁾
ICMK14F1-M - 24 V DC		8 opto	ICMK14F1-M - 24 V DC		
ICMK14F1-M - 120 / 230 V			ICMK14F1-M - 120 / 230 V		
ICMK14N1-M - 24 V DC		8 opto	ICMK14N1-M - 24 V DC		8 relays N ⁽¹⁾⁽²⁾ / 8 opto N ⁽¹⁾⁽²⁾

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	LA150/AC31-ABB/OMN12/634	0036 911.00	0037 911.01	LA150/AC31-ABB/OMN12/633	0036 905.13	0037 905.14
2 m	LA200/AC31-ABB/OMN12/634	0036 912.01	0037 912.02	LA200/AC31-ABB/OMN12/633	0036 906.14	0037 906.15
2,5 m						
3 m	LA300/AC31-ABB/OMN12/634	0036 914.03	0037 914.04	LA300/AC31-ABB/OMN12/633	0036 908.26	0037 908.27
4 m						
5 m	LA500/AC31-ABB/OMN12/634	0036 916.05	0037 916.06	LA500/AC31-ABB/OMN12/633	0036 910.13	0037 910.14

interfast 3

ABB - AC31
PLC board with built-in
connector. Cable with
Omnicontact connector.



A
1

■ Wire markers optional:
Consult us

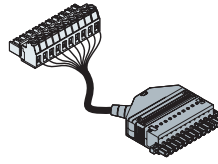
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

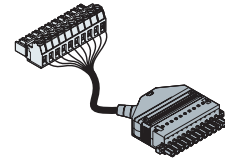
Characteristics

Type of connector	1 Omnicontact 12 points			1 Omnicontact 12 points		
Wire size	0,34mm ² - AWG 22			0,34mm ² - AWG 22		
Resistance/capacity cable	54 Ω/KM - 120 nF/KM			54 Ω/KM - 120 nF/KM		
PLC connector interface	1 Plug 10 poles			1 Plug 10 poles		

XI16E1 extension



Channels 1 to 8



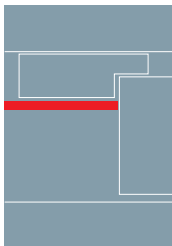
Channels 9 to 16

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
XI16E1		8 opto	XI16E1		8 opto

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	LA150/AC31-ABB/OMN12/636	0036 917.06	0037 917.07	LA150/AC31-ABB/OMN12/638	0036 929.12	0037 929.13
2 m	LA200/AC31-ABB/OMN12/636	0036 918.17	0037 918.10	LA200/AC31-ABB/OMN12/638	0036 930.17	0037 930.10
2,5 m						
3 m	LA300/AC31-ABB/OMN12/636	0036 920.15	0037 920.16	LA300/AC31-ABB/OMN12/638	0036 932.05	0037 932.06
4 m						
5 m	LA500/AC31-ABB/OMN12/636	0036 922.03	0037 922.04	LA500/AC31-ABB/OMN12/638	0036 934.07	0037 934.00

interfast 3

ABB - AC31
PLC board with built-in
connector. Cable with
Omnicontact connector.



■ Wire markers optional:
Consult us

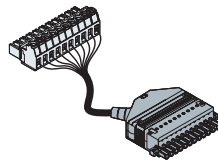
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

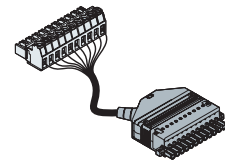
Characteristics

Type of connector	1 Omnicontact 12 points			1 Omnicontact 12 points		
Wire size	0,34mm ² - AWG 22			0,34mm ² - AWG 22		
Resistance/capacity cable	54 Ω/KM - 120 nF/KM			54 Ω/KM - 120 nF/KM		
PLC connector interface	1 Plug 10 poles			1 Plug 10 poles		

XO16N1 extension



Channels 1 to 8



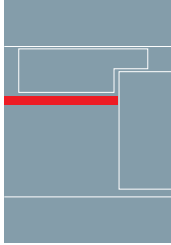
Channels 9 to 16

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
XO16N1		8 relays N / 8 opto N	XO16N1		8 relays N / 8 opto N

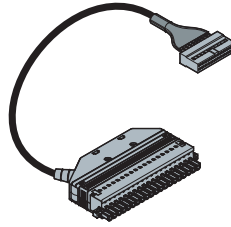
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	LA150/AC31-ABB/OMN12/637	0036 923.04	0037 923.05	LA150/AC31-ABB/OMN12/638	0036 929.12	0037 929.13
2 m	LA200/AC31-ABB/OMN12/637	0036 924.05	0037 924.06	LA200/AC31-ABB/OMN12/638	0036 930.17	0037 930.10
2,5 m						
3 m	LA300/AC31-ABB/OMN12/637	0036 926.07	0037 926.00	LA300/AC31-ABB/OMN12/638	0036 932.05	0037 932.06
4 m						
5 m	LA500/AC31-ABB/OMN12/637	0036 928.11	0037 928.12	LA500/AC31-ABB/OMN12/638	0036 934.07	0037 934.00

interfast 3

ABB - AC31
PLC board with built-in
connector. HE 10/20 cable to
Omniconnect connector.



XC 32 L1 extension XC 32 L2 extension



⁽¹⁾ Note: 2 cables per Module

Type of board	Connector interface	Decoupling interface Input	Decoupling interface Output	Type of board	Connector interface	Decoupling interface
XC 32 L1 ⁽¹⁾	2 3 6 7	16 opto P	16 relays N			
XC 32 L2 ⁽¹⁾	2 3 6 7	16 opto P	16 relays N			

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

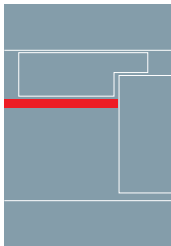
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LA100/HE10-20/OMN20/661		0039 000.02			
1,5 m	LA150/HE10-20/OMN20/661		0039 001.27			
2 m	LA200/HE10-20/OMN20/661		0039 002.20			
2,5 m						
3 m	LA300/HE10-20/OMN20/661		0039 004.22			
4 m						
5 m	LA500/HE10-20/OMN20/661		0039 006.24			

Characteristics

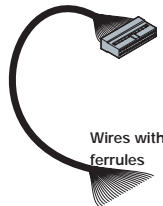
Type of connector	1 Omniconnect 20 points
Wire size	0,14mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM
PLC connector interface	1 HE 10/20 points

interfast 3

ABB - AC31
PLC board with built-in
connector. Cable to free wires.



XC 32 L1 extension XC 32 L2 extension



HE 10/20	Colour
1	White
2	Brown
3	Green
4	Yellow
5	Grey
6	Pink
7	Blue
8	Red
9	Black
10	Violet
11	Grey-Pink
12	Red-Blue
13	White-Green
14	Brown-Green
15	White-Yellow
16	Yellow-Brown
17	White-Grey
18	Grey-Brown
19	White-Pink
20	Pink-Brown

⁽¹⁾ Note: 2 cables per Module

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
XC 32 L1 ⁽¹⁾					
XC 32 L2 ⁽¹⁾					

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

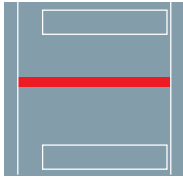
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LAF100/HE10-20/UNI/662		0039 007.06			
1,5 m	LAF150/HE10-20/UNI/662		0039 008.25			
2 m	LAF200/HE10-20/UNI/662		0039 009.06			
2,5 m						
3 m	LAF300/HE10-20/UNI/662		0039 011.04			
4 m						
5 m	LAF500/HE10-20/UNI/662		0039 013.22			

Characteristics

Type of connector	Free wires with ferrules
Wire size	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM
PLC connector interface	1 HE 10/20 points

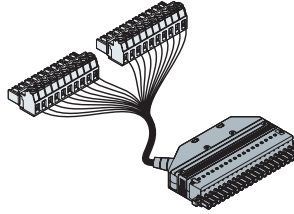
interfast 3

ABB - AC31
PLC board with built-in
connector. Cable with
Omniconnect connector.

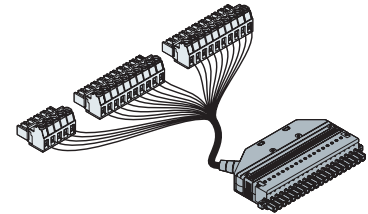


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Series 90 Module 07 DC 92



Channels 1 to 16



Channels 17 to 32

Type of board	Connector interface	Decoupling interface Input	Decoupling interface Output	Type of board	Connector interface	Decoupling interface Input	Decoupling interface Output
07DC92	2 3	16 opto P	16 relays N	07DC92	2 3	16 opto P	16 relays N

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	LA150/AC31-ABB/OMN20/649	0036 935.00	0037 935.01	LA150/AC31-ABB/OMN20/650	0036 941.16	0037 941.17
2 m	LA200/AC31-ABB/OMN20/649	0036 936.01	0037 936.02	LA200/AC31-ABB/OMN20/650	0036 942.17	0037 942.10
2,5 m						
3 m	LA300/AC31-ABB/OMN20/649	0036 938.13	0037 938.14	LA300/AC31-ABB/OMN20/650	0036 944.11	0037 944.12
4 m						
5 m	LA500/AC31-ABB/OMN20/649	0036 940.21	0037 940.22	LA500/AC31-ABB/OMN20/650	0036 946.13	0037 946.14

Characteristics

Type of connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - AWG 24	0,22mm ² - AWG 24
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector interface	2 Plugs 10 poles	2 Plugs 10 poles + 1 Plug 5 poles

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m						
2 m						
2,5 m						
3 m						
4 m						
5 m						

Characteristics

Type of connector		
Wire size		
Resistance/capacity cable		
PLC connector interface		

CONNECTION TECHNOLOGY SELECTION GUIDE

ABB S800

interfast 2 Swing arm pre-wired by ENTRELEC

interfast 3 PLC used has a connector on the card

HDI High density range



STI standard range



Sub D range Shielded cable



HDI range cable

STI range cable

Multipurpose cable



Multipurpose cable

See chapter
"Connection cables"



References

					See page	See page
Boards 16 I DIGITAL						
DI 801						Page 13
DI 810					Page 12	
DI 811					Page 12	
DI 814					Page 12	
DI 830					Page 12	
DI 831					Page 12	
Boards 16 O DIGITAL						
DO 801						Page 13
DO 810					Page 12	
DO 814					Page 12	
Boards 8 I DIGITAL						
DI 802						Page 13
DI 803						Page 13
DI 820						Page 13
DI 821						Page 13
DI 885					Page 12	
Boards 8 O DIGITAL						
DO 802						Page 13
DO 815						Page 13
DO 820						Page 13
DO 821						Page 13
Boards 8 I ANA						
AI 801						
AI 810					Page 12	
AI 830					Page 12	
AI 835					Page 12	
Boards 8 O ANA						
AO 801						Page 13
AO 810						Page 13
Boards 4 I ANA						
AI 820					Page 12	
Boards 4 O ANA						
AO 820					Page 12	
Pulse counter boards						
DP 820						

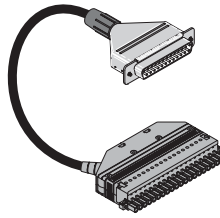
A
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interfast 3

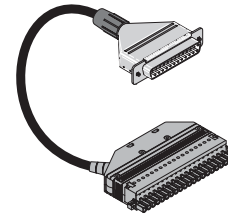
ABB S800 I/O board with built-in connector.
Cables with connector to omniconnect



Boards 16 I DIGITAL Boards 8 I DIGITAL



Boards 16 O DIGITAL Boards Pulse Counter



Note : To be used with TU 812 socket

Note : To be used with TU 812 socket

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL			Boards 16 O DIGITAL		
DI 810	2 3	16 opto P	DO 810	2 3	16 relays N /16 opto N
DI 811	2		DO 814	2	16 relays P /16 opto P
DI 814	2	16 opto N/P	Boards Pulse Counter		
DI 830	2 3	16 opto P	DP 820	2	
DI 831	2				
Boards 8 I DIGITAL					
DI 885	2				

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LA100/SUBD25F/OMN20/648	0036 898.14	0037 898.15	LA100/SUBD25F/OMN20/648	0036 898.14	0037 898.15
1,5 m	LA150/SUBD25F/OMN20/648	0036 899.15	0037 899.16	LA150/SUBD25F/OMN20/648	0036 899.15	0037 899.16
2 m	LA200/SUBD25F/OMN20/648	0036 900.22	0037 900.23	LA200/SUBD25F/OMN20/648	0036 900.22	0037 900.23
2,5 m						
3 m	LA300/SUBD25F/OMN20/648	0036 902.10	0037 902.11	LA300/SUBD25F/OMN20/648	0036 902.10	0037 902.11
4 m						
5 m	LA500/SUBD25F/OMN20/648	0036 904.12	0037 904.13	LA500/SUBD25F/OMN20/648	0036 904.12	0037 904.13

Characteristics

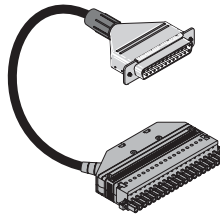
Type of interface connector	1 omniconnect 20 points	1 omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector interface	1 Sub D 25 points female	1 Sub D 25 points female

interfast 3

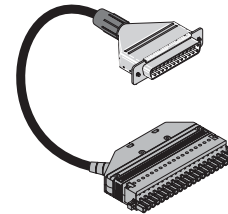
ABB S800 I/O board with built-in connector.
Cables with connector to omniconnect



Boards 8 I ANA Boards 8 O ANA



Boards 4 I ANA Boards 4 O ANA



Note : To be used with TU 812 socket

Note : To be used with TU 812 socket

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA			Boards 4 I ANA		
AI 810	2		AI 820	2	
AI 830	2		Boards 4 O ANA		
AI 835	2		AO 820	2	
Boards 8 O ANA					
AO 810	2				

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LA100/SUBD25F/OMN20/648	0036 898.14	0037 898.15	LA100/SUBD25F/OMN20/648	0036 898.14	0037 898.15
1,5 m	LA150/SUBD25F/OMN20/648	0036 899.15	0037 899.16	LA150/SUBD25F/OMN20/648	0036 899.15	0037 899.16
2 m	LA200/SUBD25F/OMN20/648	0036 900.22	0037 900.23	LA200/SUBD25F/OMN20/648	0036 900.22	0037 900.23
2,5 m						
3 m	LA300/SUBD25F/OMN20/648	0036 902.10	0037 902.11	LA300/SUBD25F/OMN20/648	0036 902.10	0037 902.11
4 m						
5 m	LA500/SUBD25F/OMN20/648	0036 904.12	0037 904.13	LA500/SUBD25F/OMN20/648	0036 904.12	0037 904.13

Characteristics

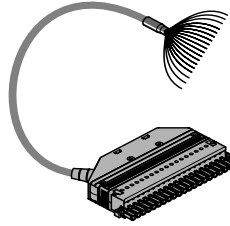
Type of interface connector	1 omniconnect 20 points	1 omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector interface	1 Sub D 25 points female	1 Sub D 25 points female

interfast 3

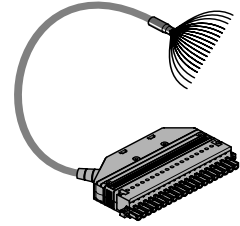


ABB S800 I/O board with built-in connector.
Multipurpose cable with connector to omniconnect

Boards 16 I DIGITAL Boards 16 O DIGITAL



Boards 8 I DIGITAL



Color code

Connector		Connector	
Pin #	Wire Color	Pin #	Wire Color
1	Black	11	Red/White
1	White	11	Green/White
2	Red	12	Blue/White
3	Green	13	Black/Red
4	Orange	14	White/Red
5	Blue	15	Orange/Red
6	White/Black	16	Blue/Red
7	Red/Black	17	Red/Green
8	Green/Black	18	Orange/Green
9	Orange/Black	19	Black/White/Red
10	Blue/Black	20	White/Black/Red
10	Black/White	20	Red/Black/White

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL			Boards 8 I DIGITAL		
DI 801	2 3	16 opto P	DI 802	2	
Boards 16 O DIGITAL			DI 803	2	
DO 801	2 3	16 relays N / 16 opto	DI 820	2	
N			DI 821	2	

- Wire markers optional: Consult us
 - Accessories: see section on ACCESSORIES
- Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LAF100/UNI/OMN20/666	0038 036.10	XUSI02586	LAF100/UNI/OMN20/666	0038 036.10	XUSI02586
1,5 m	LAF150/UNI/OMN20/666	0038 037.11	XUSI02587	LAF150/UNI/OMN20/666	0038 037.11	XUSI02587
2 m	LAF200/UNI/OMN20/666	0038 038.22	XUSI02588	LAF200/UNI/OMN20/666	0038 038.22	XUSI02588
2,5 m	LA250/OMN20/UL	—	XUSI02589	LA250/OMN20/UL	—	XUSI02589
3 m	LAF300/UNI/OMN20/666	0038 039.23	XUSI02590	LAF300/UNI/OMN20/666	0038 039.23	XUSI02590
4 m	LA400/OMN20/UL	—	XUSI02591	LA400/OMN20/UL	—	XUSI02591
5 m	LAF500/UNI/OMN20/666	0038 040.00	XUSI02592	LAF500/UNI/OMN20/666	0038 040.00	XUSI02592

Characteristics

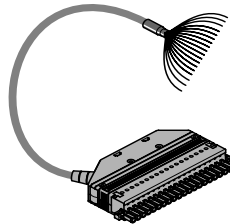
Type of connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 22 AWG	0,22mm ² - 22 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
Max. current/Max. voltage	2 A / 250 V	2 A / 250 V

interfast 3

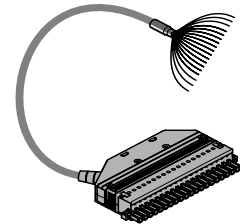


ABB S800 I/O board with built-in connector.
Multipurpose cable with connector to omniconnect

Boards 8 O DIGITAL



Boards 8 I ANA Boards 8 O ANA



Color code

Connector		Connector	
Pin #	Wire Color	Pin #	Wire Color
1	Black	11	Red/White
1	White	11	Green/White
2	Red	12	Blue/White
3	Green	13	Black/Red
4	Orange	14	White/Red
5	Blue	15	Orange/Red
6	White/Black	16	Blue/Red
7	Red/Black	17	Red/Green
8	Green/Black	18	Orange/Green
9	Orange/Black	19	Black/White/Red
10	Blue/Black	20	White/Black/Red
10	Black/White	20	Red/Black/White

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O DIGITAL			Boards 8 I ANA		
DO 802	2		AI 801	2	
DO 815	2		Boards 8 O ANA		
DO 820	2		AO 801	2	
DO 821	2				

- Wire markers optional: Consult us
 - Accessories: see section on ACCESSORIES
- Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

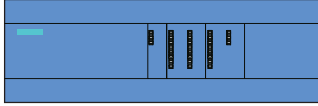
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LAF100/UNI/OMN20/666	0038 036.10	XUSI02586	LAF100/UNI/OMN20/666	0038 036.10	XUSI02586
1,5 m	LAF150/UNI/OMN20/666	0038 037.11	XUSI02587	LAF150/UNI/OMN20/666	0038 037.11	XUSI02587
2 m	LAF200/UNI/OMN20/666	0038 038.22	XUSI02588	LAF200/UNI/OMN20/666	0038 038.22	XUSI02588
2,5 m	LA250/OMN20/UL	—	XUSI02589	LA250/OMN20/UL	—	XUSI02589
3 m	LAF300/UNI/OMN20/666	0038 039.23	XUSI02590	LAF300/UNI/OMN20/666	0038 039.23	XUSI02590
4 m	LA400/OMN20/UL	—	XUSI02591	LA400/OMN20/UL	—	XUSI02591
5 m	LAF500/UNI/OMN20/666	0038 040.00	XUSI02592	LAF500/UNI/OMN20/666	0038 040.00	XUSI02592

Characteristics

Type of connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 22 AWG	0,22mm ² - 22 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
Max. current/Max. voltage	2 A / 250 V	2 A / 250 V

CONNECTION TECHNOLOGY SELECTION GUIDE

SIEMENS S7 200



A
2

Multipurpose cable

See chapter
"Connection cables"



interfast 2

Swing arm pre-wired by ENTRELEC

HDI High density range



STI standard range



Sub D range Shielded cable



interfast 3

PLC used has a connector on the card

HDI range cable



STI range cable



Multipurpose cable

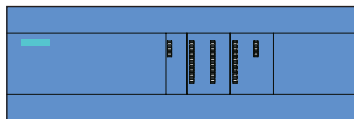


References

					See page	See page
CPU 221						
6ES7211-0AA22-0XB0					Page 15	
6ES7211-0BA22-0XB0					Page 16	
CPU 222						
6ES7212-1AB22-0XB0					Page 15	
6ES7212-1BB22-0XB0					Page 16	
CPU 224						
6ES7214-1AD22-0XB0					Page 17	
6ES7214-1BD22-0XB0					Page 18	
CPU 226						
6ES7216-2AD22-0XB0					Page 19	
6ES7216-2BD22-0XB0					Page 20	
Modules 16 I / 16 O DIGITAL						
6ES7223-1PL20-0XA0					Page 21 / 23	
6ES7223-1BL20-0XA0					Page 21 / 22	
Modules 8 I / 8 O DIGITAL						
6ES7223-1BH20-0XA0					Page 24	
6ES7223-1PH20-0XA0					Page 25	
Modules 8 I DIGITAL						
6ES7221-1BF20-0XA0						Use multipurpose cable
Modules 8 O DIGITAL						
6ES7222-1BF20-0XA0						Use multipurpose cable
6ES7222-1HF20-0XA0						Use multipurpose cable
Modules 4 I / 4 O DIGITAL						
6ES7223-1BF20-0XA0						Use multipurpose cable
6ES7223-1HF20-0XA0						Use multipurpose cable
Modules 4 I ANA						
6ES7231-0HC20-0XA0						Use multipurpose cable
Modules 4 I ANA / 1 O ANA						
6ES7235-0KD20-0XA0						Use multipurpose cable
Modules 2 O ANA						
6ES7232-0HB20-0XA0						

interfast 3

Siemens PLC S7 200
PLC board with built-in
connector. Cable with
Omniconnect connector



■ Wire markers optional:
Consult us

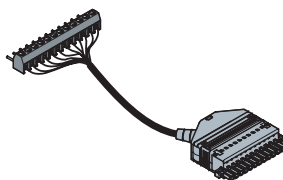
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Omniconnect 12 points	
Wire size	0,34mm ² - 22 AWG	
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	
PLC connector reference	6ES7290-2AA00-0XA0	

CPU 221 CC CPU 222 CC INPUT

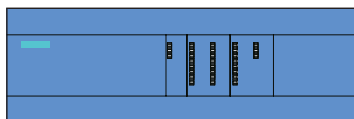


Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8I DIGITAL					
6ES7211-0AA22-0XB0	0				
6ES7212-1AB22-0XB0	0				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/CPU212/OMN12/350	0029 218.02	0034 218.27			
2 m	LA200/CPU212/OMN12/350	0029 219.03	0034 219.20			
2,5 m						
3 m	LA300/CPU212/OMN12/350	0029 221.25	0034 221.12			
4 m						
5 m	LA500/CPU212/OMN12/350	0029 223.27	0034 223.14			

interfast 3

Siemens PLC S7 200
PLC board with built-in
connector. Cable with
Omniconnect connector



■ Wire markers optional:
Consult us

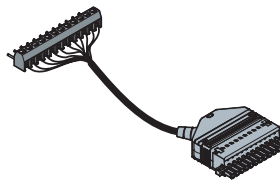
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Omniconnect 12 points		1 Omniconnect 12 points	
Wire size	0,34mm ² - 22 AWG		0,34mm ² - 22 AWG	
Resistance/capacity cable	54 Ω/KM - 120 nF/KM		54 Ω/KM - 120 nF/KM	
PLC connector reference	6ES7290-2AA00-0XA0		6ES7290-2AA00-0XA0	

CPU 221 CC CPU 222 CC OUTPUT



WITH CONNECTOR INTERFACE

WITH DECOUPLING INTERFACE

The ground terminal is not connected to our interface.
The output supply is connected to the CPU supply.

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 6O DIGITAL					
6ES7211-0AA22-0XB0	0		6ES7211-0AA22-0XB0	0	8 Relays N / 8 Opto N
6ES7212-1AB22-0XB0	0		6ES7212-1AB22-0XB0	0	8 Relays N / 8 Opto N

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/CPU212/OMN12/351	0029 224.20	0034 224.15	LA150/CPU212/OMN12/352	0029 230.02	0034 230.27
2 m	LA200/CPU212/OMN12/351	0029 225.21	0034 225.16	LA200/CPU212/OMN12/352	0029 231.27	0034 231.14
2,5 m						
3 m	LA300/CPU212/OMN12/351	0029 227.23	0034 227.10	LA300/CPU212/OMN12/352	0029 233.21	0034 233.16
4 m						
5 m	LA500/CPU212/OMN12/351	0029 229.05	0034 229.22	LA500/CPU212/OMN12/352	0029 235.23	0034 235.10

interfast 3

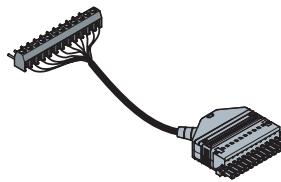


Siemens PLC S7 200
 PLC board with built-in
 connector. Cable with
 Omnicontact connector



A
2

CPU 221 Relays CPU 222 Relays



■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

Recommended cable lengths in boldface type
 * Cables UL available only for USA, CANADA, MEXICO

INPUT CHANNEL

OUTPUT CHANNEL

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 6I DIGITAL			Boards 4O DIGITAL		
6ES7211-0BA22-0XB0	0		6ES7211-0BA22-0XB0	0	
Boards 8I DIGITAL			Boards 6O DIGITAL		
6ES7212-1BB22-0XB0	0		6ES7212-1BB20-0XB0	0	

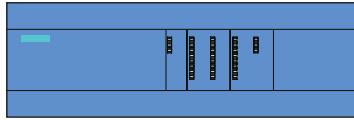
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/CPU212/OMN12/350	0029 218.02	0034 218.27	LA150/CPU212/OMN12/353	0029 236.24	0034 236.11
2 m	LA200/CPU212/OMN12/350	0029 219.03	0034 219.20	LA200/CPU212/OMN12/353	0029 237.25	0034 237.12
2,5 m						
3 m	LA300/CPU212/OMN12/350	0029 221.25	0034 221.12	LA300/CPU212/OMN12/353	0029 239.07	0034 239.24
4 m						
5 m	LA500/CPU212/OMN12/350	0029 223.27	0034 223.14	LA500/CPU212/OMN12/353	0029 241.01	0034 241.26

Characteristics

Type of interface connector	1 Omnicontact 12 points	1 Omnicontact 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2AA00-0XA0	6ES7290-2AA00-0XA0

interfast 3

Siemens PLC S7 200 PLC board with built-in connector. Cable with Omnicontact connector



■ Wire markers optional : Consult us

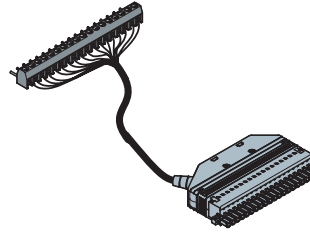
■ Accessories : see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Omnicontact 20 points	1 Omnicontact 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2BA00-0XA0	6ES7290-2BA00-0XA0

CPU 224 CC INPUT



WITH CONNECTOR INTERFACE

WITH DECOUPLING INTERFACE

The output supply for the sensor is not connected to our interfaces.

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 14 I DIGITAL			Boards 14 I DIGITAL		
6ES7214-1AD22-0XB0	2		6ES7214-1AD22-0XB0	2 3	16 Opto

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/CPU214/OMN20/356	0029 254.06	0034 254.23	LA150/S7200/OMN20/276	0026 792.17	0028 792.21
2 m	LA200/CPU214/OMN20/356	0029 255.07	0034 255.24	LA200/S7200/OMN20/276	0026 793.10	0028 793.22
2,5 m						
3 m	LA300/CPU214/OMN20/356	0029 257.01	0034 257.26	LA300/S7200/OMN20/276	0026 795.12	0028 795.24
4 m						
5 m	LA500/CPU214/OMN20/356	0029 259.13	0034 259.00	LA500/S7200/OMN20/276	0026 797.14	0028 797.26

interfast 3

Siemens PLC S7 200 PLC board with built-in connector. Cable with Omnicontact connector



■ Wire markers optional : Consult us

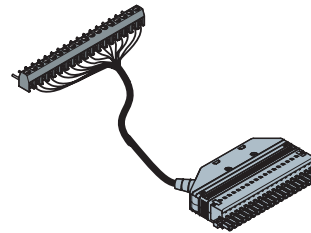
■ Accessories : see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Omnicontact 20 points	1 Omnicontact 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2BA00-0XA0	6ES7290-2BA00-0XA0

CPU 224 CC OUTPUT



WITH CONNECTOR INTERFACE

WITH DECOUPLING INTERFACE

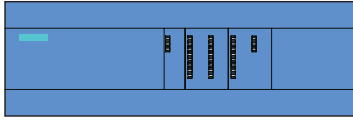
The ground terminal is not connected to our interfaces.
The output supply is connected to the CPU supply.

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 10 O DIGITAL			Boards 10 O DIGITAL		
6ES7214-1AD22-0XB0	2		6ES7214-1AD22-0XB0	2 3	12 Relays N

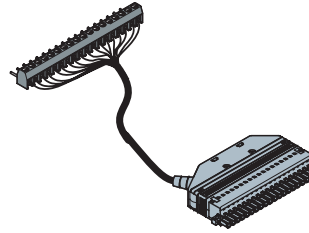
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/CPU214/OMN20/357	0029 260.10	0034 260.05	LA150/CPU214/OMN20/358	0029 266.02	0034 266.27
2 m	LA200/CPU214/OMN20/357	0029 261.05	0034 261.22	LA200/CPU214/OMN20/358	0029 267.03	0034 267.20
2,5 m						
3 m	LA300/CPU214/OMN20/357	0029 263.07	0034 263.24	LA300/CPU214/OMN20/358	0029 269.15	0034 269.02
4 m						
5 m	LA500/CPU214/OMN20/357	0029 265.01	0034 265.26	LA500/CPU214/OMN20/358	0029 271.07	0034 271.24

interfast 3

Siemens PLC S7 200
PLC board with built-in
connector. Cable with
Omniconnect connector



CPU 224 Relays



INPUT CHANNEL

OUTPUT CHANNEL

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 14I DIGITAL			Boards 10O DIGIT.		
6ES7214-1BD22-0XB0	2		6ES7214-1BD22-0XB0	2	

Wire markers optional:
Consult us

Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

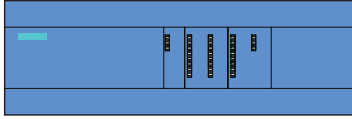
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/CPU214/OMN20/356	0029 254.06	0034 254.23	LA150/CPU214/OMN20/359	0029 272.00	0034 272.25
2 m	LA200/CPU214/OMN20/356	0029 255.07	0034 255.24	LA200/CPU214/OMN20/359	0029 273.01	0034 273.26
2,5 m						
3 m	LA300/CPU214/OMN20/356	0029 257.01	0034 257.26	LA300/CPU214/OMN20/359	0029 275.03	0034 275.20
4 m						
5 m	LA500/CPU214/OMN20/356	0029 259.13	0034 259.00	LA500/CPU214/OMN20/359	0029 277.05	0034 277.22

Characteristics

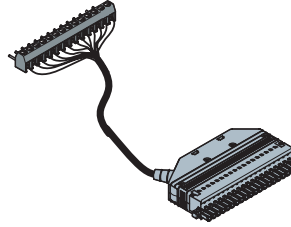
Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2BA00-0XA0	6ES7290-2BA00-0XA0

interfast 3

Siemens PLC S7 200 PLC board with built-in connector. Cable with Omnicontact connector



CPU 226 CC INPUT



CHANNELS 1 TO 13

CHANNELS 14 TO 24

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 24 I DIGITAL			Boards 24 I DIGITAL		
6ES7216-2AD22-0XB0	2		6ES7216-2AD22-0XB0	2	

Wire markers optional: Consult us

Accessories: see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/CPU216/OMN20/365	0029 308.15	0034 308.02	LA150/CPU216/OMN20/366	0029 314.22	0034 314.17
2 m	LA200/CPU216/OMN20/365	0029 309.16	0034 309.03	LA200/CPU216/OMN20/366	0029 315.23	0034 315.10
2,5 m						
3 m	LA300/CPU216/OMN20/365	0029 311.27	0034 311.14	LA300/CPU216/OMN20/366	0029 317.25	0034 317.12
4 m						
5 m	LA500/CPU216/OMN20/365	0029 313.21	0034 313.16	LA500/CPU216/OMN20/366	0029 319.07	0034 319.24

Characteristics

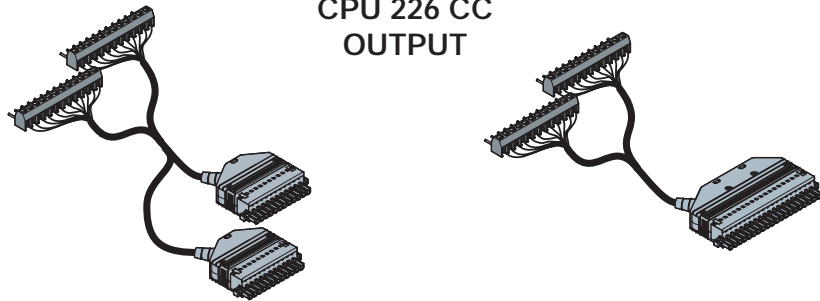
Type of interface connector	1 Omnicontact 20 points	1 Omnicontact 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2CA00-0XA0	6ES7290-2CA00-0XA0

interfast 3

Siemens PLC S7 200 PLC board with built-in connector. Cable with Omnicontact connector



CPU 226 CC OUTPUT



WITH CONNECTOR INTERFACE

WITH DECOUPLING INTERFACE

The ground terminal is not connected to our interface.
The output supply is connected to the CPU supply.

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGITAL			Boards 16 O DIGITAL		
6ES7216-2AD22-0XB0	0 1 4 5		6ES7216-2AD22-0XB0	2 3	16 Relays N / 16 Opto N

Wire markers optional: Consult us

Accessories: see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

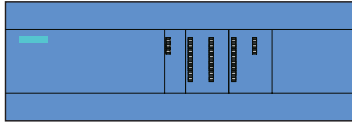
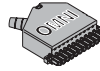
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/CPU216/2xOMN12/367	0029 320.04	0034 320.21	LA150/CPU216/OMN20/368	0029 326.26	0034 326.13
2 m	LA200/CPU216/2xOMN12/367	0029 321.21	0034 321.16	LA200/CPU216/OMN20/368	0029 327.27	0034 327.14
2,5 m						
3 m	LA300/CPU216/2xOMN12/367	0029 323.23	0034 323.10	LA300/CPU216/OMN20/368	0029 329.01	0034 329.26
4 m						
5 m	LA500/CPU216/2xOMN12/367	0029 325.25	0034 325.12	LA500/CPU216/OMN20/368	0029 331.23	0034 331.10

Characteristics

Type of interface connector	2 Omnicontact 12 points	1 Omnicontact 20 points
Wire size	0,34mm ² - 22 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	2 x 6ES7290-2AA00-0XA0	2 x 6ES7290-2AA00-0XA0

interfast 3

Siemens PLC S7 200
PLC board with built-in
connector. Cable with
Omniconnect connector



A
2

■ Wire markers optional:
Consult us

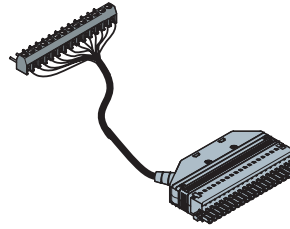
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2CA00-0XA0	6ES7290-2CA00-0XA0

CPU 226 Relays INPUTS



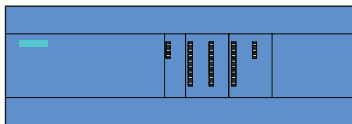
CHANNELS 1 TO 13

CHANNELS 14 TO 24

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface	
Boards 24 I DIGITAL			Boards 24 I DIGITAL			
6ES7216-2BD22-0XB0	□ 2 ■		6ES7216-2BD22-0XB0	□ 2 ■		
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/CPU216/OMN20/365	0029 308.15	0034 308.02	LA150/CPU216/OMN20/366	0029 314.22	0034 314.17
2 m	LA200/CPU216/OMN20/365	0029 309.16	0034 309.03	LA200/CPU216/OMN20/366	0029 315.23	0034 315.10
2,5 m						
3 m	LA300/CPU216/OMN20/365	0029 311.27	0034 311.14	LA300/CPU216/OMN20/366	0029 317.25	0034 317.12
4 m						
5 m	LA500/CPU216/OMN20/365	0029 313.21	0034 313.16	LA500/CPU216/OMN20/366	0029 319.07	0034 319.24

interfast 3

Siemens PLC S7 200
PLC board with built-in
connector. Cable with
Omniconnect connector



■ Wire markers optional:
Consult us

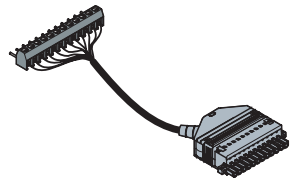
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2AA00-0XA0	6ES7290-2AA00-0XA0

CPU 226 Relays OUTPUTS



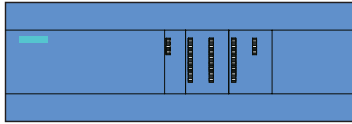
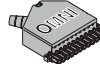
CHANNELS 1 TO 9

CHANNELS 10 TO 16

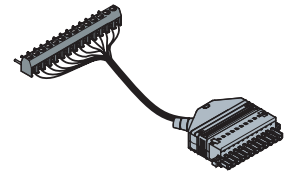
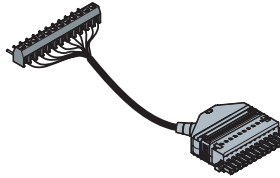
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface	
Boards 16 O DIGITAL			Boards 16 O DIGITAL			
6ES7216-2BD22-0XB0	□ 0 ■		6ES7216-2BD22-0XB0	□ 0 ■		
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/S7200/OMN12/369	0029 332.24	0034 332.11	LA150/CPU216/OMN12/370	0029 338.02	0034 338.27
2 m	LA200/S7200/OMN12/369	0029 333.25	0034 333.12	LA200/CPU216/OMN12/370	0029 339.03	0034 339.20
2,5 m						
3 m	LA300/S7200/OMN12/369	0029 335.27	0034 335.14	LA300/CPU216/OMN12/370	0029 341.05	0034 341.22
4 m						
5 m	LA500/S7200/OMN12/369	0029 337.21	0034 337.16	LA500/CPU216/OMN12/370	0029 343.07	0034 343.24

interfast 3

Siemens PLC S7 200 PLC board with built-in connector. Cable with Omnicontact connector



16 I / 16 O DIGITAL Modules INPUTS



CHANNELS 1 TO 8

CHANNELS 9 TO 16

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface	
Boards 16 I DIGITAL			Boards 16 I DIGITAL			
6ES7223-1PL20-0XA0		8 Opto	6ES7223-1PL20-0XA0		8 Opto	
6ES7223-1BL20-0XA0		8 Opto	6ES7223-1BL20-0XA0		8 Opto	
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/S7200/OMN12/587	0036 162.11	0037 162.12	LA150/S7200/OMN12/587	0036 162.11	0037 162.12
2 m	LA200/S7200/OMN12/587	0036 163.12	0037 163.13	LA200/S7200/OMN12/587	0036 163.12	0037 163.13
2,5 m						
3 m	LA300/S7200/OMN12/587	0036 165.14	0037 165.15	LA300/S7200/OMN12/587	0036 165.14	0037 165.15
4 m						
5 m	LA500/S7200/OMN12/587	0036 167.16	0037 167.17	LA500/S7200/OMN12/587	0036 167.16	0037 167.17

■ Wire markers optional: Consult us

■ Accessories: see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Omnicontact 12 points	1 Omnicontact 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2AA00-0XA0	6ES7290-2AA00-0XA0

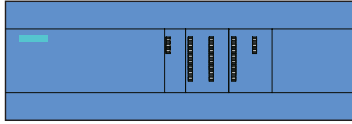
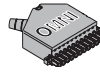
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface	
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m						
2 m						
2,5 m						
3 m						
4 m						
5 m						

Characteristics

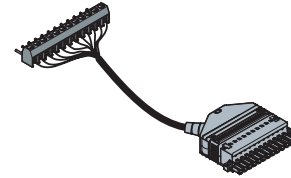
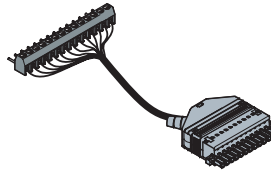
Type of interface connector	
Wire size	
Resistance/capacity cable	
PLC connector reference	

interfast 3

Siemens PLC S7 200 PLC board with built-in connector. Cable with Omnicconnect connector



16 I / 16 O DIGITAL Modules OUTPUTS WITH CONNECTOR INTERFACE COMMON BY GROUP OF 4



CHANNELS 1 TO 8

CHANNELS 9 TO 16

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16O DIGI.			Boards 16O DIGI.		
6ES7223-1BL20-0XA0	0		6ES7223-1BL20-0XA0	0 1	8 Relays N / 8 Opto N

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/S7200/OMN12/264	0026 720.22	0028 720.04	LA150/S7200/OMN12/588	0036 330.25	0037 330.26
2 m	LA200/S7200/OMN12/264	0026 721.17	0028 721.21	LA200/S7200/OMN12/588	0036 331.12	0037 331.13
2,5 m						
3 m	LA300/S7200/OMN12/264	0026 723.11	0028 723.23	LA300/S7200/OMN12/588	0036 333.14	0037 333.15
4 m						
5 m	LA500/S7200/OMN12/264	0026 725.13	0028 725.25	LA500/S7200/OMN12/588	0036 335.16	0037 335.17

Wire markers optional: Consult us

Accessories: see section on ACCESSORIES

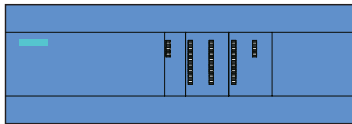
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

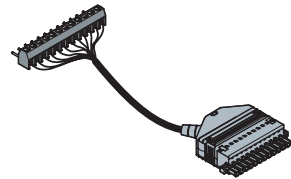
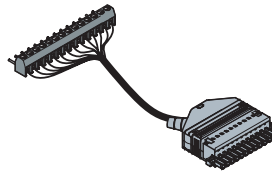
Type of interface connector	1 Omnicconnect 12 points	1 Omnicconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2AA00-0XA0	6ES7290-2AA00-0XA0

interfast 3

Siemens PLC S7 200 PLC board with built-in connector. Cable with Omnicconnect connector



16 I / 16 O DIGITAL Modules OUTPUTS WITH DECOUPLING INTERFACE COMMON BY GROUP OF 8



CHANNELS 1 TO 8

CHANNELS 9 TO 16

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16O DIGI.			Boards 16O DIGI.		
6ES7223-1BL20-0XA0	0 1	8 Relays N / 8 Opto N	6ES7223-1BL20-0XA0	0 1	8 Relays N / 8 Opto N

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/S7200/OMN12/265	0026 726.14	0028 726.26	LA150/S7200/OMN12/588	0036 330.25	0037 330.26
2 m	LA200/S7200/OMN12/265	0026 727.15	0028 727.27	LA200/S7200/OMN12/588	0036 331.12	0037 331.13
2,5 m						
3 m	LA300/S7200/OMN12/265	0026 729.27	0028 729.01	LA300/S7200/OMN12/588	0036 333.14	0037 333.15
4 m						
5 m	LA500/S7200/OMN12/265	0026 731.11	0028 731.23	LA500/S7200/OMN12/588	0036 335.16	0037 335.17

Wire markers optional: Consult us

Accessories: see section on ACCESSORIES

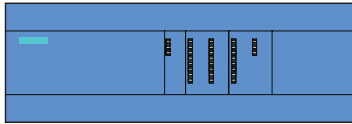
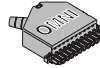
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Omnicconnect 12 points	1 Omnicconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2AA00-0XA0	6ES7290-2AA00-0XA0

interfast 3

Siemens PLC S7 200
PLC board with built-in
connector. Cable with
Omniconnect connector



■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2AA00-0XA0	6ES7290-2AA00-0XA0

16 I / 16 O DIGITAL Modules OUTPUTS WITH CONNECTOR INTERFACE COMMON BY GROUP OF 4



CHANNELS 1 TO 8

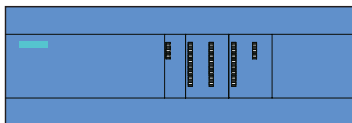
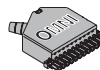
CHANNELS 9 TO 16

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16O DIGI. 6ES7223-1PL20-0XA0	0		Boards 16O DIGI. 6ES7223-1PL20-0XA0	0	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/S7200/OMN12/264	0026 720.22	0028 720.04	LA150/S7200/OMN12/264	0026 720.22	0028 720.04
2 m	LA200/S7200/OMN12/264	0026 721.17	0028 721.21	LA200/S7200/OMN12/264	0026 721.17	0028 721.21
2,5 m						
3 m	LA300/S7200/OMN12/264	0026 723.11	0028 723.23	LA300/S7200/OMN12/264	0026 723.11	0028 723.23
4 m						
5 m	LA500/S7200/OMN12/264	0026 725.13	0028 725.25	LA500/S7200/OMN12/264	0026 725.13	0028 725.25

interfast 3

Siemens PLC S7 200
PLC board with built-in
connector. Cable with
Omniconnect connector



■ Wire markers optional:
Consult us

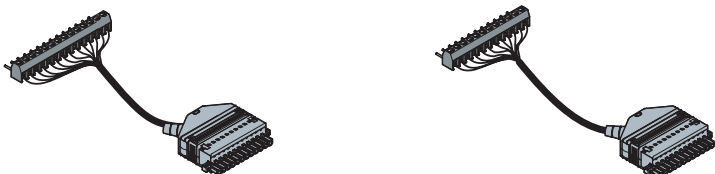
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2AA00-0XA0	6ES7290-2AA00-0XA0

16 I / 16 O DIGITAL Modules OUTPUTS WITH DECOUPLING INTERFACE COMMON BY GROUP OF 8



CHANNELS 1 TO 8

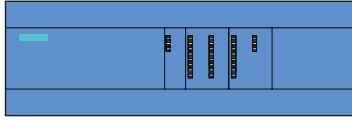
CHANNELS 9 TO 16

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16O DIGI. 6ES7223-1PL20-0XA0	0	8 Relays N ⁽¹⁾ / 8 Opto N ⁽¹⁾	Boards 16O DIGI. 6ES7223-1PL20-0XA0	0	8 Relays N ⁽¹⁾ / 8 Opto N ⁽¹⁾

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/S7200/OMN12/265	0026 726.14	0028 726.26	LA150/S7200/OMN12/265	0026 726.14	0028 726.26
2 m	LA200/S7200/OMN12/265	0026 727.15	0028 727.27	LA200/S7200/OMN12/265	0026 727.15	0028 727.27
2,5 m						
3 m	LA300/S7200/OMN12/265	0026 729.27	0028 729.01	LA300/S7200/OMN12/265	0026 729.27	0028 729.01
4 m						
5 m	LA500/S7200/OMN12/265	0026 731.11	0028 731.23	LA500/S7200/OMN12/265	0026 731.11	0028 731.23

interfast 3

Siemens PLC S7 200
PLC board with built-in
connector. Cable with
Omniconnect connector



A
2

■ Wire markers optional:
Consult us

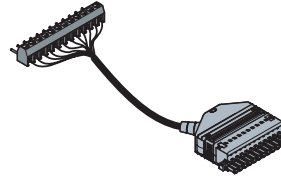
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2AA00-0XA0	6ES7290-2AA00-0XA0

8 I / 8 O DIGITAL Modules INPUTS



COMMON BY GROUP OF 4

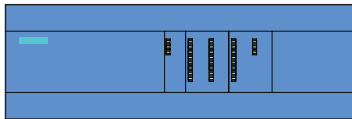
COMMON BY GROUP OF 8

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I DIGITAL			Boards 8 I DIGITAL		
6ES7223-1BH20-0XA0	0		6ES7223-1BH20-0XA0	0	8 Opto

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/S7200/OMN12/256	0026 678.04	0028 678.16	LA150/S7200/OMN12/257	0026 684.13	0028 684.25
2 m	LA200/S7200/OMN12/256	0026 679.05	0028 679.17	LA200/S7200/OMN12/257	0026 685.14	0028 685.26
2,5 m						
3 m	LA300/S7200/OMN12/256	0026 681.10	0028 681.22	LA300/S7200/OMN12/257	0026 687.16	0028 687.20
4 m						
5 m	LA500/S7200/OMN12/256	0026 683.12	0028 683.24	LA500/S7200/OMN12/257	0026 689.20	0028 689.02

interfast 3

Siemens PLC S7 200
PLC board with built-in
connector. Cable with
Omniconnect connector



■ Wire markers optional:
Consult us

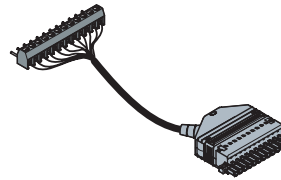
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2AA00-0XA0	6ES7290-2AA00-0XA0

8 I / 8 O DIGITAL Modules OUTPUTS



COMMON BY GROUP OF 4

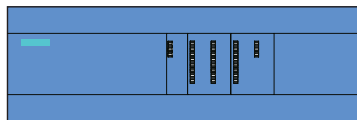
COMMON BY GROUP OF 8

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O DIGITAL			Boards 8 O DIGITAL		
6ES7223-1BH20-0XA0	0		6ES7223-1BH20-0XA0	0	8 Relays N

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/S7200/OMN12/264	0026 720.22	0028 720.04	LA150/S7200/OMN12/265	0026 726.14	0028 726.26
2 m	LA200/S7200/OMN12/264	0026 721.17	0028 721.21	LA200/S7200/OMN12/265	0026 727.15	0028 727.27
2,5 m						
3 m	LA300/S7200/OMN12/264	0026 723.11	0028 723.23	LA300/S7200/OMN12/265	0026 729.27	0028 729.01
4 m						
5 m	LA500/S7200/OMN12/264	0026 725.13	0028 725.25	LA500/S7200/OMN12/265	0026 731.11	0028 731.23

interfast 3

Siemens PLC S7 200
PLC board with built-in
connector. Cable with
Omniconnect connector



■ Wire markers optional:
Consult us

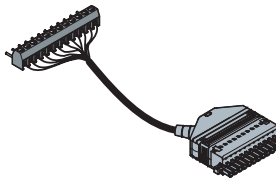
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2AA00-0XA0	6ES7290-2AA00-0XA0

8 I / 8 O DIGITAL Modules INPUTS



COMMON BY GROUP OF 4

COMMON BY GROUP OF 8

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I DIGITAL			Boards 8 I DIGITAL		
6ES7223-1PH20-0XA0	0		6ES7223-1PH20-0XA0	0	8 Opto

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/S7200/OMN12/256	0026 678.04	0028 678.16	LA150/S7200/OMN12/257	0026 684.13	0028 684.25
2 m	LA200/S7200/OMN12/256	0026 679.05	0028 679.17	LA200/S7200/OMN12/257	0026 685.14	0028 685.26
2,5 m						
3 m	LA300/S7200/OMN12/256	0026 681.10	0028 681.22	LA300/S7200/OMN12/257	0026 687.16	0028 687.20
4 m						
5 m	LA500/S7200/OMN12/256	0026 683.12	0028 683.24	LA500/S7200/OMN12/257	0026 689.20	0028 689.02

interfast 3

Siemens PLC S7 200
PLC board with built-in
connector. Cable with
Omniconnect connector



■ Wire markers optional:
Consult us

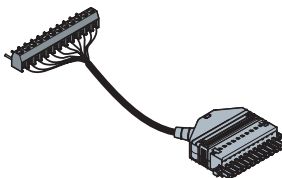
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Omniconnect 12 points	
Wire size	0,34mm ² - 22 AWG	
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	
PLC connector reference	6ES7290-2AA00-0XA0	

8 I / 8 O DIGITAL Modules OUTPUTS



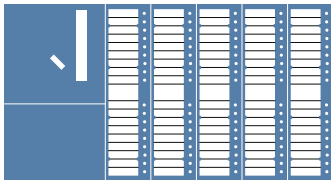
COMMON BY GROUP OF 4

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O DIGITAL					
6ES7223-1PH20-0XA0	0				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/S7200/OMN12/268	0026 744.26	0028 744.00			
2 m	LA200/S7200/OMN12/268	0026 745.27	0028 745.01			
2,5 m						
3 m	LA300/S7200/OMN12/268	0026 747.21	0028 747.03			
4 m						
5 m	LA500/S7200/OMN12/268	0026 749.03	0028 749.15			

CONNECTION TECHNOLOGY SELECTION GUIDE

SIEMENS S7 300



Multipurpose cable

See chapter
"Connection cables"



interfast 2 Swing arm pre-wired by ENTRELEC

HDI High density range



STI standard range



Sub D range Shielded cable



interfast 3 PLC used has a connector on the card

STI range cable



Modulo 16

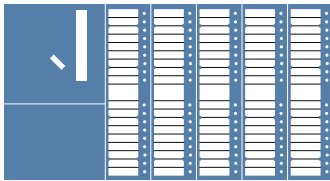
Modulo 8

References

	See page		See page	See page
CPU 312 C	Page 28			
CPU 313 C / 313 C - 2 PTP / 313 C - 2 DP	Page 28 / 29		Page 41	Page 43
CPU 314 C - 2 PTP / 314 C - 2 DP	Page 28 / 29		Page 41	Page 43
Boards 32 I DIGITAL				
6ES7321-1BL00-0AA0	Page 30		Page 41	Page 43
6ES7321-1BL80-0AA0	Page 30		Page 41	Page 43
6ES7321-1EL00-0AA0	Page 30			
Boards 32 O DIGITAL				
6ES7322-1BL00-0AA0	Page 30		Page 41	Page 43
6ES7322-1EL00-0AA0	Page 30			
Boards 16 I / 16 O DIGITAL				
6ES7323-1BL00-0AA0	Page 30		Page 41	Page 43
Boards 16 I DIGITAL				
6ES7321-1BH02-0AA0	Page 31		Page 41	Page 43
6ES7321-1BH81-0AA0	Page 31		Page 41	Page 43
6ES7321-1EH01-0AA0	Page 31			
6ES7321-7BH01-0AB0	Page 31		Page 41	Page 43
6ES7321-7BH80-0AB0	Page 31		Page 41	Page 43
6ES7321-1BH50-0AA0	Page 31		Page 41	Page 43
6ES7321-1CH80-0AA0	Page 30		Page 41	Page 43
6ES7321-1FH00-0AA0	Page 30			
Boards 16 O DIGITAL				
6ES7322-1BH01-0AA0	Page 31		Page 42	Page 44
6ES7322-1BH81-0AA0	Page 31		Page 42	Page 44
6ES7322-1EH01-0AA0	Page 31			
6ES7322-1HH01-0AA0	Page 31			
6ES7322-8BH00-0AB0	Page 31		Page 42	Page 44
6ES7322-1FH00-0AA0	Page 30			
Boards 8 I / 8 O DIGITAL				
6ES7323-1BH01-0AA0	Page 32		Page 42	Page 44
6ES7323-1BH81-0AA0	Page 32		Page 42	Page 44
Boards 8 I DIGITAL				
6ES7321-1FF01-0AA0	Page 32			
6ES7321-1FF81-0AA0	Page 32			
Boards 8 O DIGITAL				
6ES7322-1BF01-0AA0	Page 33			Page 44
6ES7322-1FF01-0AA0	Page 32			
6ES7322-1FF81-0AA0	Page 32			
6ES7322-1HF01-0AA0	Page 33			
6ES7322-1HF10-0AA0	Page 33			
6ES7322-1HF80-0AA0	Page 33			
6ES7322-8BF00-0AB0	Page 33		Page 42	Page 44
6ES7322-1HF20-0AA0	Page 30			
6ES7322-5HF00-0AB0	Page 33			
6ES7322-8BF80-0AB0	Page 33		Page 42	Page 44
6ES7322-1CF80-0AA0	Page 32 / 33			
Boards 4 I DIGITAL				
6ES7321-7RD00-0AB0	Page 37			
Boards 4 O DIGITAL				
6ES7322-5SD00-0AB0	Page 37			
6ES7322-5RD00-0AB0	Page 37			

CONNECTION TECHNOLOGY SELECTION GUIDE

SIEMENS S7 300



Multipurpose cable

See chapter
"Connection cables"



interfast 2 Swing arm pre-wired by ENTRELEC

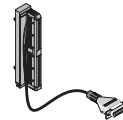
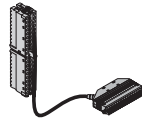
HDI High density range



STI standard range

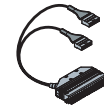


Sub D range Shielded cable



interfast 3 PLC used has a connector on the card

STI range cable






Module 16



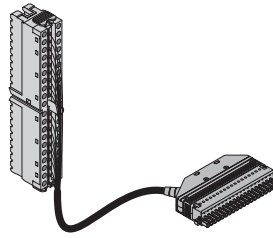
Module 8

References

	See page	See page		
Boards 8 I ANA				
6ES7331-1KF00-0AB0	Page 35	Page 39		
6ES7331-7KF02-0AB0	Page 35	Page 39		
6ES7331-7NF00-0AB0	Page 34	Page 38		
6ES7331-7PF00-0AB0	Page 34	Page 38		
6ES7331-7PF10-0AB0		Page 39		
Boards 8 I ANA 				
6ES7331-7SF00-0AB0	Page 37			
Boards 8 O ANA				
6ES7332-5HF00-0AB0	Page 34	Page 38		
Boards 4 I / 4 O ANA				
6ES7335-7HG01-0AB0	Page 35	Page 39		
Boards 4 I / 2 O ANA				
6ES7334-0CE00-0AA0	Page 35	Page 39		
6ES7334-0KE00-0AB0	Page 35	Page 39		
Boards 4 I ANA 				
6ES7331-7RD00-0AB0	Page 37			
Boards 4 O ANA				
6ES7332-5HD01-0AB0	Page 35	Page 39		
6ES7332-7ND01-0AB0	Page 35	Page 39		
Boards 4 O ANA 				
6ES7332-5RD00-0AB0	Page 37			
Boards 2 I ANA				
6ES7331-7KB02-0AB0	Page 35	Page 40		
6ES7331-7KB81-0AB0	Page 35	Page 40		
Boards 2 O ANA				
66ES7332-5HB01-0AB0	Page 35	Page 40		
66ES7332-5HB81-0AB0	Page 35	Page 40		
Pulse counter				
FM350-1 (6ES7350-1AH02-0AE0)	Page 36			
FM350-2 (6ES7350-2AH02-0AE0)	Page 36			

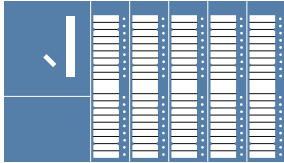
interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



CPU 312 C

A
2



■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 10 I DIGIT/ 6 O DIGIT.					
6ES7312-5BD00-0AB0	2 3				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/S7 300/OMN20/643	0036 874.13	0037 874.14			
2 m	FA200/S7 300/OMN20/643	0036 875.14	0037 875.15			
2,5 m						
3 m	FA300/S7 300/OMN20/643	0036 877.16	0037 877.17			
4 m						
5 m	FA500/S7 300/OMN20/643	0036 879.20	0037 879.21			

Characteristics

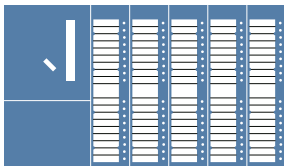
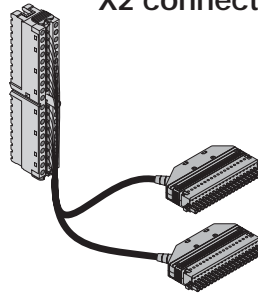
Type of interface connector	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AM00 - 0AA0

interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



CPU 313 C / 313 C - 2 PTP / 313 C - 2 DP
CPU 314 C - 2 PTP / 314 C - 2 DP
X2 connector (16 I DIGIT./ 16 O DIGIT.)



■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Type of board	Connector interface	Decoupling interface Input	Decoupling interface Output	Type of board	Connector interface	Decoupling interface Input	Decoupling interface Output
Boards 16 I DIGIT/ 16 O DIGIT.							
6ES7313-5BE00-0AB0	2 3 6 7						
6ES7313-6BE00-0AB0	2 3 6 7		16 Relays N				
6ES7313-6CE00-0AB0	2 3 6 7	16 Opto P	16 Opto N				
6ES7314-6BF00-0AB0	2 3 6 7						
6ES7314-6CF00-0AB0	2 3 6 7						

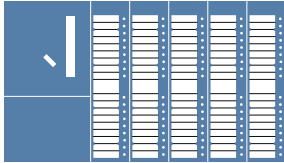
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	FA150/S7 300/2xOMN20/228	0026 516.02	0028 516.14			
2 m	FA200/S7 300/2xOMN20/228	0026 517.03	0028 517.15			
2,5 m						
3 m	FA300/S7 300/2xOMN20/228	0026 519.15	0028 519.27			
4 m						
5 m	FA500/S7 300/2xOMN20/228	0026 521.07	0028 521.11			

Characteristics

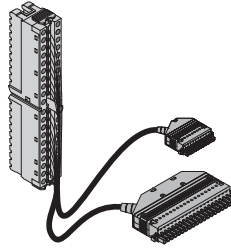
Type of interface connector	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AM00 - 0AA0

interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



CPU 313 C
CPU 314 C - 2 PTP / 314 C - 2 DP
X1 connector (8 I DIGIT. - 4 I ANA - 2 O ANA)



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I DIGIT./4 I ANA/2 O ANA					
6ES7313-5BE00-0AB0	0 or 1 and 2	8 optos P			
6ES7314-6BF00-0AB0	0 or 1 and 2	8 optos P			
6ES7314-6CF00-0AB0	0 or 1 and 2	8 optos P			

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

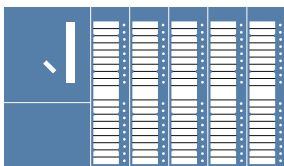
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/S7 300/OMN20+OMN12/644	0036 880.16	0037 880.17			
2 m	FA200/S7 300/OMN20+OMN12/644	0036 881.03	0037 881.04			
2,5 m						
3 m	FA300/S7 300/OMN20+OMN12/644	0036 883.05	0037 883.06			
4 m						
5 m	FA500/S7 300/OMN20+OMN12/644	0036 885.07	0037 885.00			

Characteristics

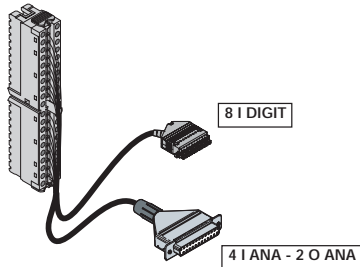
Type of interface connector	1 Omniconnect 20 points + 1 Omniconnect 12 points
Wire size	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AM00 - 0AB0

interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



CPU 313 C
CPU 314 C - 2 PTP / 314 C - 2 DP
X1 connector (8 I DIGIT. - 4 I ANA - 2 O ANA)



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I DIGIT./4 I ANA/2 O ANA					
6ES7313-5BE00-0AB0	0 or 1 and Sub D 25	8 optos P			
6ES7314-6BF00-0AB0	0 or 1 and Sub D 25	8 optos P			
6ES7314-6CF00-0AB0	0 or 1 and Sub D 25	8 optos P			

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	FA150/S7 300/Sub D 25+OMN12/646	0036 892.06	0037 892.07			
2 m	FA200/S7 300/Sub D 25+OMN12/646	0036 893.07	0037 893.00			
2,5 m						
3 m	FA300/S7 300/Sub D 25+OMN12/646	0036 895.01	0037 895.02			
4 m						
5 m	FA500/S7 300/Sub D 25+OMN12/646	0036 897.03	0037 897.04			

Characteristics

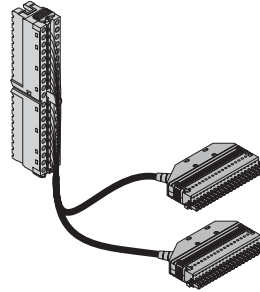
Type of interface connector	1 Omniconnect 12 points + 1 female 25 points Sub D
Wire size	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AM00 - 0AB0

interfast 2

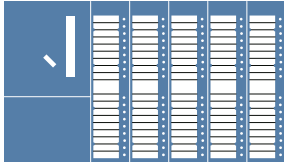
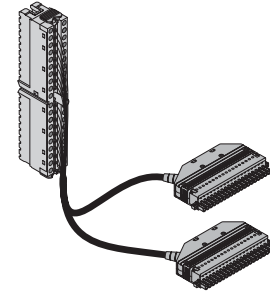
Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



Board 32 I DIGITAL Board 8 O DIGITAL



Board 32 I DIGITAL Board 32 O DIGITAL



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 32 I DIGITAL			Boards 32 I DIGITAL		
6ES7321-1BL00-0AA0	2 3 6 7	16 Opto P	6ES7321-1EL00-0AA0	2 6	
6ES7321-1BL80-0AA0	2 3 6 7	16 Opto P	Boards 32 O DIGITAL		
Boards 8 O DIGITAL			6ES7322-1BL00-0AA0	2 3 6 7	16 Relays N / 16
6ES7322-1HF20-0AA0	2 6		Opto N		

Wire markers optional:
Consult us

Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/S7 300/2xOMN20/060	0029 990.25	0034 990.12	FA100/S7 300/2xOMN20/061	0029 991.12	0034 991.07
1,5 m	FA150/S7 300/2xOMN20/060	0021 406.10	0027 406.16	FA150/S7 300/2xOMN20/061	0021 412.05	0027 412.03
2 m	FA200/S7 300/2xOMN20/060	0021 407.11	0027 407.17	FA200/S7 300/2xOMN20/061	0021 413.06	0027 413.04
2,5 m						
3 m	FA300/S7 300/2xOMN20/060	0021 409.23	0027 409.21	FA300/S7 300/2xOMN20/061	0021 415.00	0027 415.06
4 m						
5 m	FA500/S7 300/2xOMN20/060	0021 411.04	0027 411.02	FA500/S7 300/2xOMN20/061	0021 417.02	0027 417.00

Characteristics

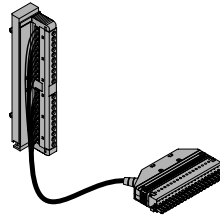
Type of interface connector	2 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AM00 - 0AA0	6ES7392 - 1AM00 - 0AA0

interfast 2

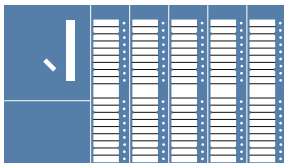
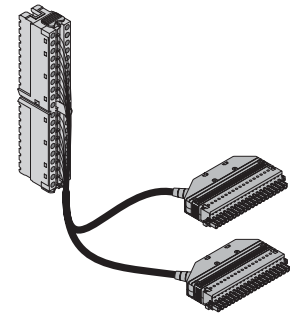
Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



Board 32 O DIGITAL Board 16 I DIGITAL Board 16 O DIGITAL



Board 16 I / 16 O DIGITAL



(1) Note : 2 cables per PLC board

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 32 O DIGITAL			Boards 16I / 16O DIGIT.		
6ES7322-1EL00-0AA0 ⁽¹⁾	2		6ES7323-1BL00-0AA0	2 3 6 7	16 Relays N
Boards 16 I DIGITAL					16 Opto N
6ES7321-1CH80-0AA0	2				
6ES7321-1FH00-0AA0	2				
Boards 16 O DIGITAL					
6ES7322-1FH00-0AA0	2				

Wire markers optional:
Consult us

Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

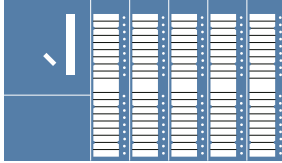
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/S7 300/OMN20/063	0029 993.14	0034 993.01			
1,5 m	FA150/S7 300/OMN20/063	0021 424.01	0027 424.07	FA150/S7 300/2xOMN20/228	0026 516.02	0028 516.14
2 m	FA200/S7 300/OMN20/063	0021 425.02	0027 425.00	FA200/S7 300/2xOMN20/228	0026 517.03	0028 517.15
2,5 m						
3 m	FA300/S7 300/OMN20/063	0021 427.04	0027 427.02	FA300/S7 300/2xOMN20/228	0026 519.15	0028 519.27
4 m						
5 m	FA500/S7 300/OMN20/063	0021 429.16	0027 429.14	FA500/S7 300/2xOMN20/228	0026 521.07	0028 521.11

Characteristics

Type of interface connector	1 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AJ00 - 0AA0	6ES7392 - 1AM00 - 0AA0

interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
Consult us

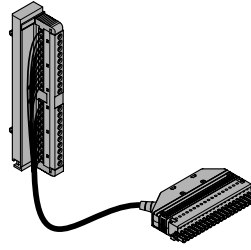
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

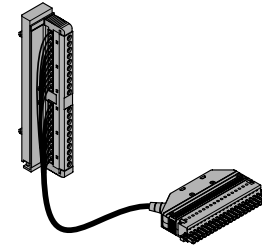
Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AJ00 - 0AA0	6ES7392 - 1AJ00 - 0AA0

Board 16 I DIGITAL



Board 16 I DIGITAL Board 16 O DIGITAL

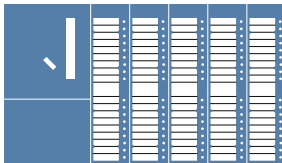


Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL			Boards 16 I DIGITAL		
6ES7321-1BH02-0AA0	2 3	16 Opto P	6ES7321-1EH01-0AA0	2	
6ES7321-1BH50-0AA0	2 3	16 Opto N	6ES7321-7BH01-0AB0	2	
6ES7321-1BH81-0AA0	2 3		6ES7321-7BH80-0AB0	2	
Boards 16 O DIGITAL			Boards 16 O DIGITAL		
			6ES7322-1BH00-0AA0	2 3	16 Relays N / 16 Opto N
			6ES7322-1EH01-0AA0	2	
			6ES7322-1HH00-0AA0	2	
			6ES7322-1BH81-0AA0	2 3	16 Relays N / 16 Opto N

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/S7 300/OMN20/062	0029 992.13	0034 992.00	FA100/S7 300/OMN20/063	0029 993.14	0034 993.01
1,5 m	FA150/S7 300/OMN20/062	0021 418.13	0027 418.11	FA150/S7 300/OMN20/063	0021 424.01	0027 424.07
2 m	FA200/S7 300/OMN20/062	0021 419.14	0027 419.12	FA200/S7 300/OMN20/063	0021 425.02	0027 425.00
2,5 m						
3 m	FA300/S7 300/OMN20/062	0021 421.06	0027 421.04	FA300/S7 300/OMN20/063	0021 427.04	0027 427.02
4 m						
5 m	FA500/S7 300/OMN20/062	0021 423.00	0027 423.06	FA500/S7 300/OMN20/063	0021 429.16	0027 429.14

interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
Consult us

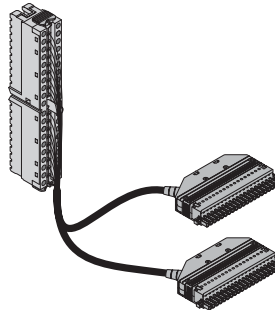
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AM00 - 0AA0

Board 16 O DIGITAL



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGITAL			Boards 16 O DIGITAL		
6ES7322-8BH00-0AB0	2 6				

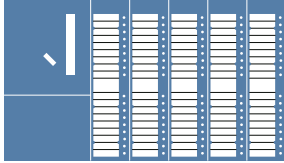
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/S7 300/2xOMN20/061	0029 991.12	0034 991.07			
1,5 m	FA150/S7 300/2xOMN20/061	0021 412.05	0027 412.03			
2 m	FA200/S7 300/2xOMN20/061	0021 413.06	0027 413.04			
2,5 m						
3 m	FA300/S7 300/2xOMN20/061	0021 415.00	0027 415.06			
4 m						
5 m	FA500/S7 300/2xOMN20/061	0021 417.02	0027 417.00			

interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



A
2



■ Wire markers optional:
Consult us

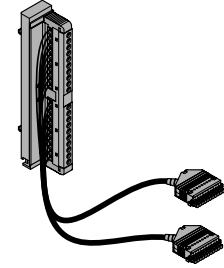
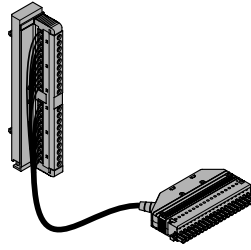
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Omniconnect 20 points	2 Omniconnect 12 points
Wire size	0,22mm ² - 24 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AJ00 - 0AA0	6ES7392 - 1AJ00 - 0AA0

Board 8 I / 8 O DIGITAL

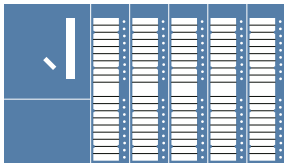


Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8I/8O DIGIT.			Boards 8I/8O DIGIT.		
6ES7323-1BH01-0AA0	2 3		6ES7323-1BH01-0AA0	0 1	8 Relays N
6ES7323-1BH81-0AA0	2 3		6ES7323-1BH81-0AA0	0 1	8 Opto P 8 Relays N
					8 Opto N

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/S7 300/OMN20/063	0029 993.14	0034 993.01			
1,5 m	FA150/S7 300/OMN20/063	0021 424.01	0027 424.07	FA150/S7 300/2xOMN12/064	0021 430.13	0027 430.11
2 m	FA200/S7 300/OMN20/063	0021 425.02	0027 425.00	FA200/S7 300/2xOMN12/064	0021 431.00	0027 431.06
2,5 m						
3 m	FA300/S7 300/OMN20/063	0021 427.04	0027 427.02	FA300/S7 300/2xOMN12/064	0021 433.02	0027 433.00
4 m						
5 m	FA500/S7 300/OMN20/063	0021 429.16	0027 429.14	FA500/S7 300/2xOMN12/064	0021 435.04	0027 435.02

interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
Consult us

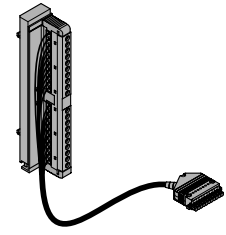
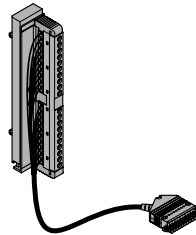
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AJ00 - 0AA0	6ES7392 - 1AJ00 - 0AA0

Board 8 I DIGITAL Board 8 O DIGITAL



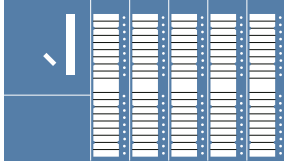
⁽¹⁾ Common by group of 4

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I DIGITAL			Boards 8 O DIGITAL		
6ES7321-1FF01-0AA0	0		6ES7322-1FF01-0AA0	0	
6ES7321-1FF81-0AA0	0		6ES7322-1FF81-0AA0	0	
Boards 8 O DIGITAL					
6ES7322-1CF80-0AA0 ⁽¹⁾	0				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	FA150/S7 300/OMN12/066	0021 442.13	0027 442.11	FA150/S7 300/OMN12/067	0021 448.21	0027 448.27
2 m	FA200/S7 300/OMN12/066	0021 443.14	0027 443.12	FA200/S7 300/OMN12/067	0021 449.22	0027 449.20
2,5 m						
3 m	FA300/S7 300/OMN12/066	0021 445.16	0027 445.14	FA300/S7 300/OMN12/067	0021 451.14	0027 451.12
4 m						
5 m	FA500/S7 300/OMN12/066	0021 447.10	0027 447.16	FA500/S7 300/OMN12/067	0021 453.16	0027 453.14

interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors

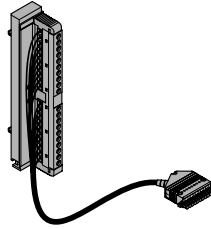


■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Board 8 O DIGITAL



⁽¹⁾ Series output without diode
⁽²⁾ Common by group of 8

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O DIGITAL			Boards 8 O DIGITAL		
6ES7322-1BF01-0AA0 ⁽²⁾	0 1	8 Relays N / 8 Opto N	6ES7322-1HF01-0AA0	2	
6ES7322-8BF00-0AB0 ⁽¹⁾	0 1	8 Relays N / 8 Opto N	6ES7322-8BF00-0AB0	2 3	
6ES7322-8BF80-0AB0 ⁽¹⁾	0 1	8 Relays N / 8 Opto N	6ES7322-8BF80-0AB0	2 3	
6ES7322-1CF80-0AA0 ⁽²⁾	0				

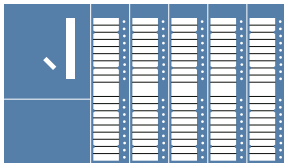
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	FA150/S7 300/OMN12/068	0021 454.17	0027 454.15	FA150/S7 300/OMN20/069	0021 460.21	0027 460.27
2 m	FA200/S7 300/OMN12/068	0021 455.10	0027 455.16	FA200/S7 300/OMN20/069	0021 461.16	0027 461.14
2,5 m						
3 m	FA300/S7 300/OMN12/068	0021 457.12	0027 457.10	FA300/S7 300/OMN20/069	0021 463.10	0027 463.16
4 m						
5 m	FA500/S7 300/OMN12/068	0021 459.24	0027 459.22	FA500/S7 300/OMN20/069	0021 465.12	0027 465.10

Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 20 points
Wire size	0,34mm ² - 22 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AJ00 - 0AA0	6ES7392 - 1AJ00 - 0AA0

interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors

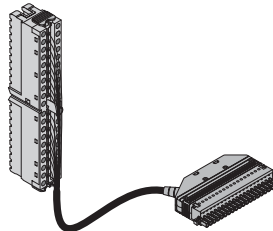


■ Wire markers optional:
Consult us

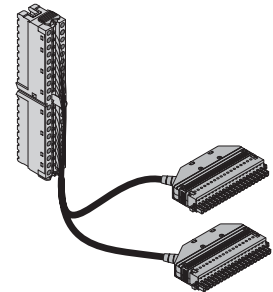
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Board 8 O DIGITAL



Board 8 O DIGITAL



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O DIGITAL			Boards 8 O DIGITAL		
6ES7322-1HF10-0AA0	2		6ES7322-5HF00-0AB0	2 6	
6ES7322-1HF80-0AA0	2				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m				FA100/S7 300/2xOMN20/061	0029 991.12	0034 991.07
1,5 m	FA150/S7 300/OMN20/473	0029 906.25	0034 906.12	FA150/S7 300/2xOMN20/061	0021 412.05	0027 412.03
2 m	FA200/S7 300/OMN20/473	0029 907.26	0034 907.13	FA200/S7 300/2xOMN20/061	0021 413.06	0027 413.04
2,5 m						
3 m	FA300/S7 300/OMN20/473	0029 909.00	0034 909.25	FA300/S7 300/2xOMN20/061	0021 415.00	0027 415.06
4 m						
5 m	FA500/S7 300/OMN20/473	0029 911.11	0034 911.06	FA500/S7 300/2xOMN20/061	0021 417.02	0027 417.00

Characteristics

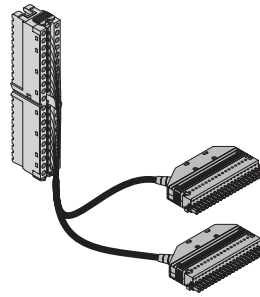
Type of interface connector	1 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AM00 - 0AA0	6ES7392 - 1AM00 - 0AA0

interfast 2

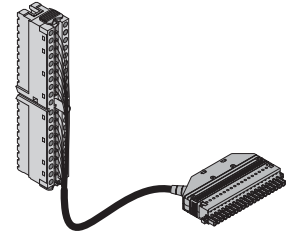
Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



Board 8 I ANA



Board 8 I ANA



I VOLTAGE / I CURRENT

I VOLTAGE

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA 6ES7331-7NF00-0AB0	2 6		Boards 8 I ANA 6ES7331-7NF00-0AB0	2	

Length	I VOLTAGE / I CURRENT			I VOLTAGE		
	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/S7 300/2xOMN20/060	0029 990.25	0034 990.12	FA150/S7 300/OMN20/552	0036 420.10	0037 420.11
1,5 m	FA150/S7 300/2xOMN20/060	0021 406.10	0027 406.16	FA200/S7 300/OMN20/552	0036 421.05	0037 421.06
2 m	FA200/S7 300/2xOMN20/060	0021 407.11	0027 407.17	FA300/S7 300/OMN20/552	0036 423.07	0037 423.00
2,5 m						
3 m	FA300/S7 300/2xOMN20/060	0021 409.23	0027 409.21	FA500/S7 300/OMN20/552	0036 425.01	0037 425.02
4 m						
5 m	FA500/S7 300/2xOMN20/060	0021 411.04	0027 411.02			

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

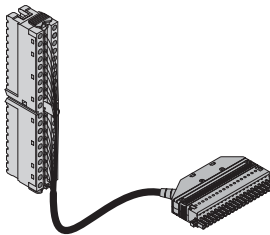
Type of interface connector	2 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AM00 - 0AA0	6ES7392 - 1AM00 - 0AA0

interfast 2

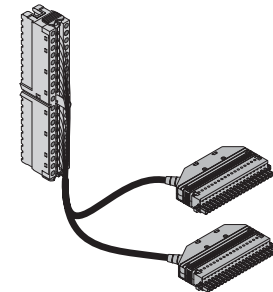
Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



Board 8 I ANA



Board 8 I ANA
Board 8 O ANA



I CURRENT

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA 6ES7331-7NF00-0AB0	2		Boards 8 I ANA 6ES7331-7PF00-0AB0	2 6	
			Boards 8 O ANA 6ES7332-5HF00-0AB0	2 6	

Length	I CURRENT		
	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA150/S7 300/OMN20/547	0036 390.22	0037 390.23
1,5 m	FA200/S7 300/OMN20/547	0036 391.17	0037 391.10
2 m			
2,5 m			
3 m	FA300/S7 300/OMN20/547	0036 393.11	0037 393.12
4 m			
5 m	FA500/S7 300/OMN20/547	0036 395.13	0037 395.14

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

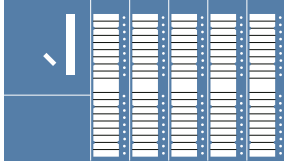
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AM00 - 0AA0	6ES7392 - 1AM00 - 0AA0

interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
Consult us

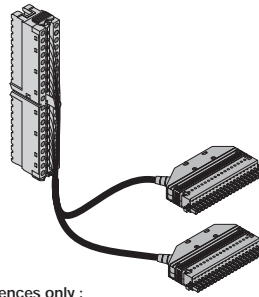
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	2 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AJ00 - 0AA0	6ES7392 - 1AJ00 - 0AA0

Board 8 I ANA



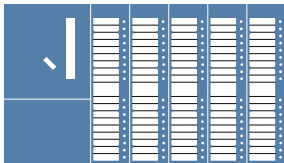
⁽¹⁾ These references only :
0631 001.25, 0021 021.00, 0032 003.12, 0032 121.04

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA			Boards 8 I ANA		
6ES7331-1KF00-0AB0	2	6 ⁽¹⁾	6ES7331-7KF02-0AB0	2	
			Boards 4 I / 2 O ANA		
			6ES7334-0CE00-0AA0	2	
			6ES7334-0KE00-0AB0	2	
			Boards 4 O ANA		
			6ES7332-5HD01-0AB0	2	
			6ES7332-7ND01-0AB0	2	
			6ES7331-7HF01-0AB0		

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/S7 300/2xOMN20/061	0029 991.12	0034 991.07	FA100/S7 300/OMN20/063	0029 993.14	0034 993.01
1,5 m	FA150/S7 300/2xOMN20/061	0021 412.05	0027 412.03	FA150/S7 300/OMN20/063	0021 424.01	0027 424.07
2 m	FA200/S7 300/2xOMN20/061	0021 413.06	0027 413.04	FA200/S7 300/OMN20/063	0021 425.02	0027 425.00
2,5 m						
3 m	FA300/S7 300/2xOMN20/061	0021 415.00	0027 415.06	FA300/S7 300/OMN20/063	0021 427.04	0027 427.02
4 m						
5 m	FA500/S7 300/2xOMN20/061	0021 417.02	0027 417.00	FA500/S7 300/OMN20/063	0021 429.16	0027 429.14

interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
Consult us

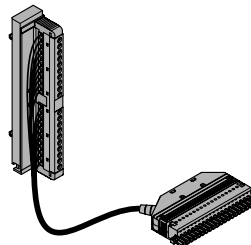
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

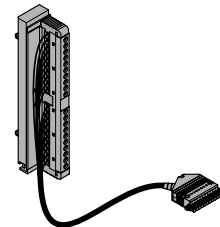
Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 12 points
Wire size	0,22mm ² - 24 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AJ00 - 0AA0	6ES7392 - 1AJ00 - 0AA0

Board 4 I / 4 O ANA



Board 2 I ANA Board 2 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 I / 4 O ANA			Boards 2 I ANA		
6ES7335-7HG01-0AB0	2		6ES7331-7KB02-0AB0	0	
			6ES7331-7KB81-0AB0	0	
			Boards 2 O ANA		
			6ES7332-5HB01-0AB0	0	
			6ES7332-5HB81-0AB0	0	

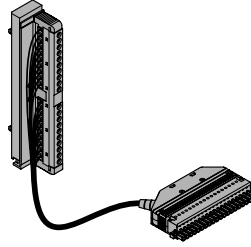
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/S7 300/OMN20/063	0029 993.14	0034 993.01			
1,5 m	FA150/S7 300/OMN20/063	0021 424.01	0027 424.07	FA150/S7 300/OMN12/550	0036 408.21	0037 408.22
2 m	FA200/S7 300/OMN20/063	0021 425.02	0027 425.00	FA200/S7 300/OMN12/550	0036 409.22	0037 409.23
2,5 m						
3 m	FA300/S7 300/OMN20/063	0021 427.04	0027 427.02	FA300/S7 300/OMN12/550	0036 411.03	0037 411.04
4 m						
5 m	FA500/S7 300/OMN20/063	0021 429.16	0027 429.14	FA500/S7 300/OMN12/550	0036 413.05	0037 413.06

interfast 2

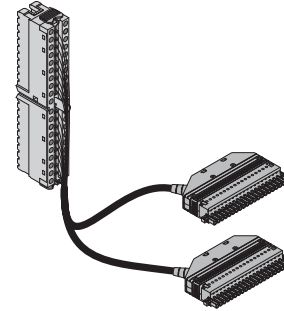
Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



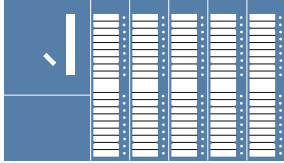
FM 350 - 1



FM 350 - 2



A
2



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
FM 350 - 1 6ES7350-1AH02-0AE0	2		FM 350 - 2 6ES7350-2AH00-0AE0	2	

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

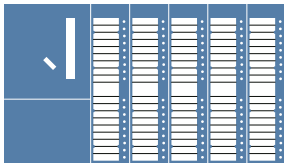
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/S7 300/OMN20/063	0029 993.14	0034 993.01			
1,5 m	FA150/S7 300/OMN20/063	0021 424.01	0027 424.07	FA150/S7 300/2xOMN20/642	0036 868.25	0037 868.26
2 m	FA200/S7 300/OMN20/063	0021 425.02	0027 425.00	FA200/S7 300/2xOMN20/642	0036 869.26	0037 869.27
2,5 m						
3 m	FA300/S7 300/OMN20/063	0021 427.04	0027 427.02	FA300/S7 300/2xOMN20/642	0036 871.10	0037 871.11
4 m						
5 m	FA500/S7 300/OMN20/063	0021 429.16	0027 429.14	FA500/S7 300/2xOMN20/642	0036 873.12	0037 873.13

Characteristics

Type of interface connector	1 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AJ00 - 0AA0	6ES7392 - 1AM00 - 0AM0

interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m						
2 m						
2,5 m						
3 m						
4 m						
5 m						

Characteristics

Type of interface connector		
Wire size		
Resistance/capacity cable		
PLC connector reference		

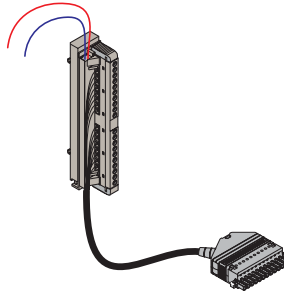
interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



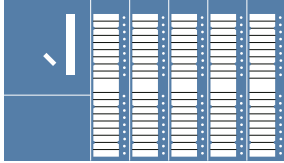
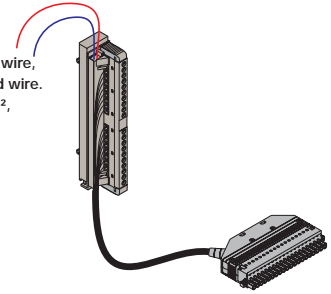
**Board 4 I DIGITAL
Board 4 O DIGITAL**

1 red stranded wire,
1 blue stranded wire.
2 wires 0,6 mm²,
length : 1 m.



Board 4/8 O ANA

1 red stranded wire,
1 blue stranded wire.
2 wires 0,6 mm²,
length : 1 m.



■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Board 4 I DIGITAL / Board 4 O DIGITAL			Board 4/8 O ANA		
	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	FA150/S7 300 EX/OMN12/429	0029 660.11	0034 660.06	FA150/S7 300 EX/OMN20/478	0029 936.12	0034 936.07
2 m	FA200/S7 300 EX/OMN12/429	0029 661.06	0034 661.23	FA200/S7 300 EX/OMN20/478	0029 937.13	0034 937.00
2,5 m						
3 m	FA300/S7 300 EX/OMN12/429	0029 663.00	0034 663.25	FA300/S7 300 EX/OMN20/478	0029 939.25	0034 939.12
4 m						
5 m	FA500/S7 300 EX/OMN12/429	0029 665.02	0034 665.27	FA500/S7 300 EX/OMN20/478	0029 941.27	0034 941.14

Characteristics

Type of interface connector	1 Omnicontact 12 points	1 Omnicontact 20 points
Wire size	0,34mm ² - 22 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AJ00 - 0AA0 + 6ES7393 - 4AA00 - 0AA0	6ES7392 - 1AJ00 - 0AA0 + 6ES7393 - 4AA00 - 0AA0

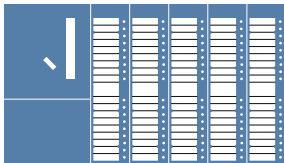
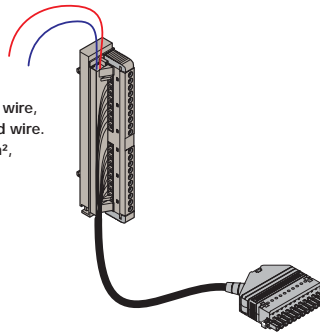
interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



**Board 4 I ANA
Board 4 O ANA**

1 red stranded wire,
1 blue stranded wire.
2 wires 0,6 mm²,
length : 1 m.



■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Board 4 I ANA / Board 4 O ANA		
	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m			
1,5 m	FA150/S7 300 EX/OMN12/429	0029 660.11	0034 660.06
2 m	FA200/S7 300 EX/OMN12/429	0029 661.06	0034 661.23
2,5 m			
3 m	FA300/S7 300 EX/OMN12/429	0029 663.00	0034 663.25
4 m			
5 m	FA500/S7 300 EX/OMN12/429	0029 665.02	0034 665.27

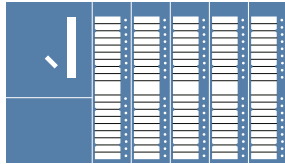
Characteristics

Type of interface connector	1 Omnicontact 12 points
Wire size	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AJ00 - 0AA0 + 6ES7393 - 4AA00 - 0AA0

interfast 2



Siemens PLC S7 300
Swing arm with cable and
Sub D connector



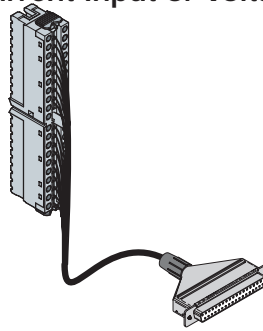
A
2

■ Wire markers optional:
Consult us

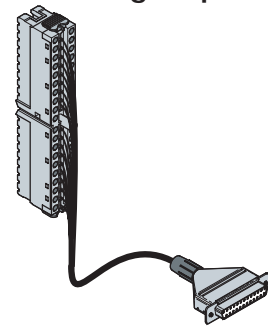
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Board 8 I ANA 8 Current Input or Voltage



Board 8 I ANA 8 Voltage Input



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA			Boards 8 I ANA		
6ES7331-7NF00-0AB0	Sub D 37		6ES7331-7NF00-0AB0	Sub D 25	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/S7 300/SubD37/477	0029 930.20	0034 930.15	FA150/S7 300/SubD25/476	0029 924.16	0034 924.03
2 m	FA200/S7 300/SubD37/477	0029 931.15	0034 931.02	FA200/S7 300/SubD25/476	0029 925.17	0034 925.04
2,5 m						
3 m	FA300/S7 300/SubD37/477	0029 933.17	0034 933.04	FA300/S7 300/SubD25/476	0029 927.11	0034 927.06
4 m						
5 m	FA500/S7 300/SubD37/477	0029 935.11	0034 935.06	FA500/S7 300/SubD25/476	0029 929.23	0034 929.10

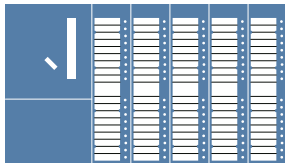
Characteristics

Type of interface connector	1 Sub D 37 female points	1 Sub D 25 female points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AM00 - 0AA0	6ES7392 - 1AM00 - 0AA0

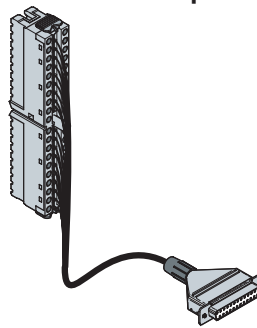
interfast 2



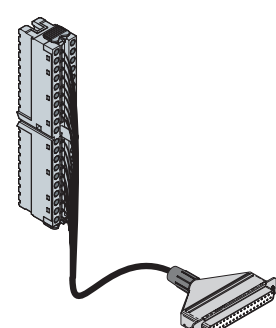
Siemens PLC S7 300
Swing arm with cable and
Sub D connector



Board 8 I ANA 8 Current Input



Board 8 O ANA Board 8 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA			Boards 8 I ANA		
6ES7331-7NF00-0AB0	Sub D 25		6ES7331-7PF00-0AB0	Sub D 37	
			Boards 8 O ANA		
			6ES7332-5HF00-0AB0	Sub D 37	

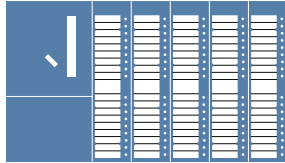
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/S7 300/SubD25/227	0026 510.10	0028 510.22	FA150/S7 300/SubD37/597	0036 636.14	0037 636.15
2 m	FA200/S7 300/SubD25/227	0026 511.05	0028 511.17	FA200/S7 300/SubD37/597	0036 637.15	0037 637.16
2,5 m						
3 m	FA300/S7 300/SubD25/227	0026 513.07	0028 513.11	FA300/S7 300/SubD37/597	0036 639.27	0037 639.20
4 m						
5 m	FA500/S7 300/SubD25/227	0026 515.01	0028 515.13	FA500/S7 300/SubD37/597	0036 641.21	0037 641.22

Characteristics

Type of interface connector	1 Sub D 25 female points	1 Sub D 37 female points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AM00 - 0AA0	6ES7392 - 1AM00 - 0AA0

interfast 2

Siemens PLC S7 300 Swing arm with cable and Sub D connector



■ Wire markers optional:
Consult us

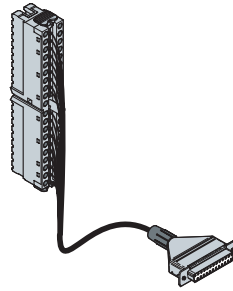
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in bold face type
* Cables UL available only for USA, CANADA, MEXICO

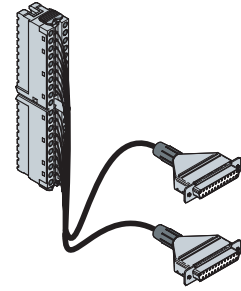
Characteristics

Type of interface connector	1 Sub D 25 female points	2 Sub D 25 female points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AM00 - 0AA0	6ES7392 - 1AM00 - 0AA0

Board 8 I ANA



Board 8 I ANA

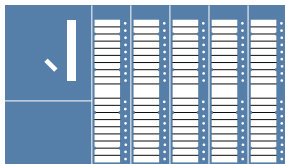


Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA 6ES7331-7PF10-0AB0	Sub D 25		Boards 8 I ANA 6ES7331-1KF00-0AB0	Sub D 25	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	FA150/S7 300/Sub D 25/647	0036 862.17	0037 862.10	FA150/S7 300/2xSub D 25/652	0036 949.26	0037 949.27
2 m	FA200/S7 300/Sub D 25/647	0036 863.10	0037 863.11	FA200/S7 300/2xSub D 25/652	0036 950.23	0037 950.24
2,5 m						
3 m	FA300/S7 300/Sub D 25/647	0036 865.12	0037 865.13	FA300/S7 300/2xSub D 25/652	0036 952.11	0037 952.12
4 m						
5 m	FA500/S7 300/Sub D 25/647	0036 867.14	0037 867.15	FA500/S7 300/2xSub D 25/652	0036 954.13	0037 954.14

interfast 2

Siemens PLC S7 300 Swing arm with cable and Sub D connector



■ Wire markers optional:
Consult us

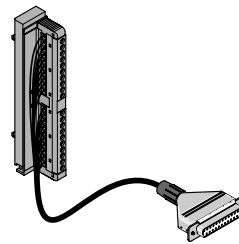
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in bold face type
* Cables UL available only for USA, CANADA, MEXICO

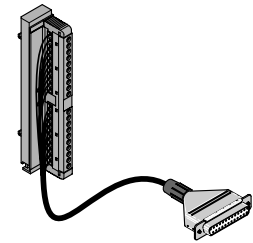
Characteristics

Type of interface connector	1 Sub D 25 female points	1 Sub D 25 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AJ00 - 0AA0	6ES7392 - 1AJ00 - 0AA0

Board 8 I ANA Board 4 I / 2 O ANA Board 4 O ANA



Board 4 I / 4 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA 6ES7331-7KF02-0AB0	Sub D 25		Boards 4 I / 4 O ANA 6ES7335-7HG01-0AB0	Sub D 25	
Boards 4 I / 2 O ANA 6ES7334-0CE00-0AA0	Sub D 25				
6ES7334-0KE00-0AB0	Sub D 25				
Boards 4 O ANA 6ES7332-5HD01-0AB0	Sub D 25				
6ES7332-7ND01-0AB0	Sub D 25				

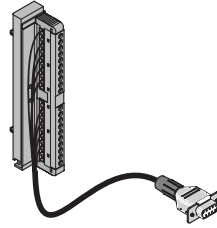
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	FA150/S7 300/SubD25/057	0021 388.25	0027 388.23	FA150/S7 300/SubD25/057	0021 388.25	0027 388.23
2 m	FA200/S7 300/SubD25/057	0021 389.26	0027 389.24	FA200/S7 300/SubD25/057	0021 389.26	0027 389.24
2,5 m						
3 m	FA300/S7 300/SubD25/057	0021 391.10	0027 391.16	FA300/S7 300/SubD25/057	0021 391.10	0027 391.16
4 m						
5 m	FA500/S7 300/SubD25/057	0021 393.12	0027 393.10	FA500/S7 300/SubD25/057	0021 393.12	0027 393.10

interfast 2

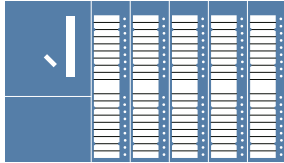
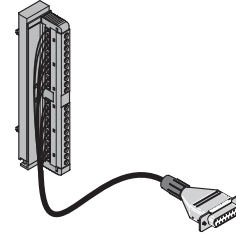
Siemens PLC S7 300
Swing arm with cable and
Sub D connector



Board 2 I ANA



Board 2 O ANA



A
2

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 2 I ANA			Boards 2 O ANA		
6ES7331-7KB02-0AB0	Sub D 9		6ES7332-5HB01-0AB0	Sub D 15	
6ES7331-7KB81-0AB0	Sub D 9		6ES7332-5HB81-0AB0	Sub D 15	

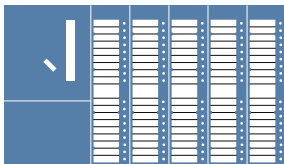
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	FA150/S7 300/SubD9/058	0021 394.13	0027 394.11	FA150/S7 300/SubD15/059	0021 400.26	0027 400.24
2 m	FA200/S7 300/SubD9/058	0021 395.14	0027 395.12	FA200/S7 300/SubD15/059	0021 401.13	0027 401.11
2,5 m						
3 m	FA300/S7 300/SubD9/058	0021 397.16	0027 397.14	FA300/S7 300/SubD15/059	0021 403.15	0027 403.13
4 m						
5 m	FA500/S7 300/SubD9/058	0021 399.20	0027 399.26	FA500/S7 300/SubD15/059	0021 405.17	0027 405.15

Characteristics

Type of interface connector	1 Sub D 9 female points	1 Sub D 15 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AJ00 - 0AA0	6ES7392 - 1AJ00 - 0AA0

interfast 2

Siemens PLC S7 300
Swing arm with cable and
Sub D connector



■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m						
2 m						
2,5 m						
3 m						
4 m						
5 m						

Characteristics

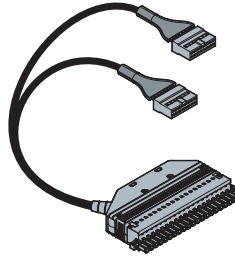
Type of interface connector		
Wire size		
Resistance/capacity cable		
PLC connector reference		

interfast 3

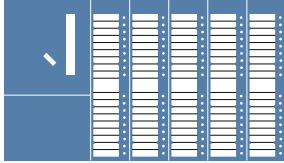
Siemens PLC S7 300 PLC board with built-in connector. Cable with Omnicconnect connector



CPU 313 C / 313 C - 2 PTP / 313 C - 2 DP
CPU 314 C - 2 PTP / 314 C - 2 DP
X2 connector (16 I DIGITAL / 16 O DIGITAL)



Use with frontal connector :
6ES7921-3AA20-0AA0



Note : 2 cables per PLC board

Type of board	Connector interface	Decoupling interface Input	Decoupling interface Output	Type of board	Connector interface	Decoupling interface Input	Decoupling interface Output
Boards 16 I / 16 O DIGITAL							
6ES7313-5BE00-0AB0	2 3 6 7						
6ES7313-6BE00-0AB0	2 3 6 7		16 Relays N				
6ES7313-6CE00-0AB0	2 3 6 7	16 Opto P	16 Opto N				
6ES7314-6BF00-0AB0	2 3 6 7						
6ES7314-6CF00-0AB0	2 3 6 7						

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	LA150/2xHE10-16/OMN20/295/UL		0028 906.24			
2 m	LA200/2xHE10-16/OMN20/295/UL		0028 907.25			
2,5 m						
3 m	LA300/2xHE10-16/OMN20/295/UL		0028 909.07			
4 m						
5 m	LA500/2xHE10-16/OMN20/295/UL		0028 911.10			

Characteristics

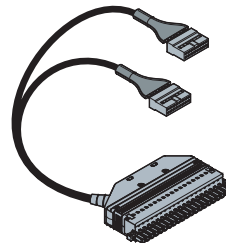
Type of interface connector	1 Omnicconnect 20 points
Wire size	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM
PLC connector reference	2 HE 10/16 points

interfast 3

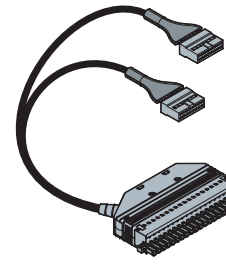
Siemens PLC S7 300 PLC board with built-in connector. Cable with Omnicconnect connector



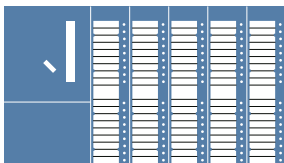
Board 32 I DIGITAL
Board 32 O DIGITAL
Board 16 I / 16 O DIGITAL



Use with frontal connector :
6ES7921-3AA20-0AA0



Use with frontal connector :
6ES7921-3AA00-0AA0
6ES7921-3AB00-0AA0



Note : 2 cables per PLC board

⁽¹⁾ To 60 V DC max.

Type of board	Connector interface	Decoupling interface Input	Decoupling interface Output	Type of board	Connector interface	Decoupling interface
Boards 32 I DIGITAL				Boards 16 I DIGITAL		
6ES7321-1BL00-0AA0	2 3 6 7		16 Opto	6ES7321-1BH02-0AA0	2 3	16 Opto P
6ES7321-1BL80-0AA0	2 3 6 7			6ES7321-7BH01-0AB0	2	
Boards 32 O DIGITAL				6ES7321-7BH80-0AB0	2	
6ES7322-1BL00-0AA0	2 3 6 7	16 Relays / 16 Opto		6ES7321-1BH50-0AA0	2 3	16 Opto N
Boards 16I/16O DIGIT.				6ES7321-1BH81-0AA0	2 3	
6ES7323-1BL00-0AA0	2 3 6 7		16 Relays N	6ES7321-1CH80-0AA0 ⁽¹⁾	2	
			16 Opto P			
			16 Opto N			

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	LA150/2xHE10-16/OMN20/295/UL		0028 906.24	LA150/2xHE10-16/OMN20/295/UL		0028 906.24
2 m	LA200/2xHE10-16/OMN20/295/UL		0028 907.25	LA200/2xHE10-16/OMN20/295/UL		0028 907.25
2,5 m						
3 m	LA300/2xHE10-16/OMN20/295/UL		0028 909.07	LA300/2xHE10-16/OMN20/295/UL		0028 909.07
4 m						
5 m	LA500/2xHE10-16/OMN20/295/UL		0028 911.10	LA500/2xHE10-16/OMN20/295/UL		0028 911.10

Characteristics

Type of interface connector	1 Omnicconnect 20 points	1 Omnicconnect 20 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	2 HE 10/16 points	2 HE 10/16 points

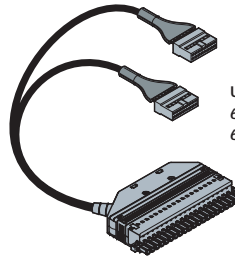
interfast 3

Siemens PLC S7 300
PLC board with built-in
connector. Cable with
Omniconnect connector

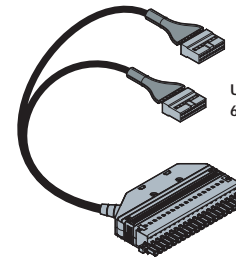


Board 16 O DIGITAL

Board 16 O DIGITAL



Use with frontal connector :
6ES7921-3AA00-0AA0
6ES7921-3AB00-0AA0



Use with frontal connector :
6ES7921-3AA20-0AA0

Note : 2 cables per PLC board

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGITAL			Boards 16 O DIGIT.		
6ES7322-1BH01-0AA0	2 3	16 Relays N / 16 Opto N	6ES7322-8BH00-0AB0	2	
6ES7322-1BH81-0AA0	2 3				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	LA150/2xHE10-16/OMN20/295/UL		0028 906.24	LA150/2xHE10-16/OMN20/295/UL		0028 906.24
2 m	LA200/2xHE10-16/OMN20/295/UL		0028 907.25	LA200/2xHE10-16/OMN20/295/UL		0028 907.25
2,5 m						
3 m	LA300/2xHE10-16/OMN20/295/UL		0028 909.07	LA300/2xHE10-16/OMN20/295/UL		0028 909.07
4 m						
5 m	LA500/2xHE10-16/OMN20/295/UL		0028 911.10	LA500/2xHE10-16/OMN20/295/UL		0028 911.10

Wire markers optional:
Consult us

Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

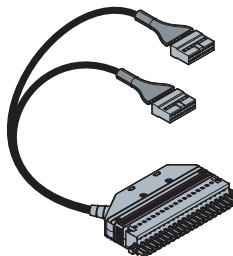
Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	2 HE 10/16 points	2 HE 10/16 points

interfast 3

Siemens PLC S7 300
PLC board with built-in
connector. Cable with
Omniconnect connector



Board 8 I / 8 O DIGITAL Board 8 O DIGITAL



Use with frontal connector :
6ES7921-3AA00-0AA0
6ES7921-3AB00-0AA0

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8I/8O DIGITAL					
6ES7323-1BH01-0AA0	2 3				
6ES7323-1BH81-0AA0	2 3				
Boards 8 O DIGITAL					
6ES7322-8BF00-0AA0	2 3				
6ES7322-8BF80-0AA0	2 3				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	LA150/2xHE10-16/OMN20/295/UL		0028 906.24			
2 m	LA200/2xHE10-16/OMN20/295/UL		0028 907.25			
2,5 m						
3 m	LA300/2xHE10-16/OMN20/295/UL		0028 909.07			
4 m						
5 m	LA500/2xHE10-16/OMN20/295/UL		0028 911.10			

Wire markers optional:
Consult us

Accessories:
see section on ACCESSORIES

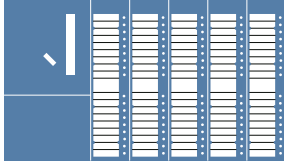
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

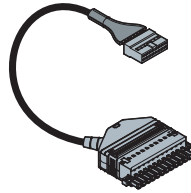
Type of interface connector	1 Omniconnect 20 points	
Wire size	0,14 mm ² - 26 AWG	
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	
PLC connector reference	2 HE 10/16 points	

interfast 3

Siemens PLC S7 300
PLC board with built-in
connector. Cable with
Omniconnect connector



CPU 313 C / 313 C - 2 PTP / 313 C - 2 DP CPU 314 C - 2 PTP / 314 C - 2 DP X2 connector (16 I DIGITAL / 16 O DIGITAL)



Use with frontal connector :
6ES7921-3AA20-0AA0

Note : 4 cables per PLC board

Type of board	Connector interface	Decoupling interface	
		Input	Output
Boards 16 I / 16 O DIGITAL			
6ES7313-5BE00-0AB0			
6ES7313-6BE00-0AB0			8 Relays N
6ES7313-6CE00-0AB0		8 Opto P	8 Opto N
6ES7314-6BF00-0AB0			
6ES7314-6CF00-0AB0			

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

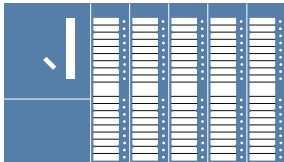
Length	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/HE10-16/OMN12/296/UL		0028 912.11
2 m	LA200/HE10-16/OMN12/296/UL		0028 913.12
2,5 m			
3 m	LA300/HE10-16/OMN12/296/UL		0028 915.14
4 m			
5 m	LA500/HE10-16/OMN12/296/UL		0028 917.16

Characteristics

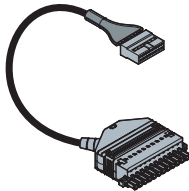
Type of interface connector	1 Omniconnect 12 points
Wire size	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM
PLC connector reference	1 HE 10/16 points

interfast 3

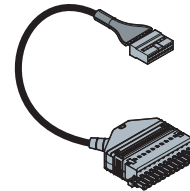
Siemens PLC S7 300
PLC board with built-in
connector. Cable with
Omniconnect connector



Board 32 I DIGITAL Board 32 O DIGITAL Board 16 I / 16 O DIGITAL



Use with frontal connector :
6ES7921-3AA20-0AA0



Use with frontal connector :
6ES7921-3AA00-0AA0
6ES7921-3AB00-0AA0

Note : 4 cables per PLC board

Note : 2 cables per PLC board

Type of board	Connector interface	Decoupling interface		Type of board	Connector interface	Decoupling interface
		Input	Output			
Boards 32 I DIGITAL				Boards 16 I DIGITAL		
6ES7321-1BL00-0AA0				6ES7321-1BH02-0AA0		8 Opto P
6ES7321-1BL80-0AA0				6ES7321-7BH01-0AB0		
Boards 32 O DIGITAL				6ES7321-7BH80-0AB0		
6ES7322-1BL00-0AA0		8 Relays N / 8 Opto N		6ES7321-1BH50-0AA0		8 Opto N
Boards 16I/16O DIGIT.				6ES7321-1BH81-0AA0		
6ES7323-1BL00-0AA0			8 Relays N	6ES7321-1CH80-0AA0		
			8 Opto P			
			8 Opto N			

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/HE10-16/OMN12/296/UL		0028 912.11	LA150/HE10-16/OMN12/296/UL		0028 912.11
2 m	LA200/HE10-16/OMN12/296/UL		0028 913.12	LA200/HE10-16/OMN12/296/UL		0028 913.12
2,5 m						
3 m	LA300/HE10-16/OMN12/296/UL		0028 915.14	LA300/HE10-16/OMN12/296/UL		0028 915.14
4 m						
5 m	LA500/HE10-16/OMN12/296/UL		0028 917.16	LA500/HE10-16/OMN12/296/UL		0028 917.16

Characteristics

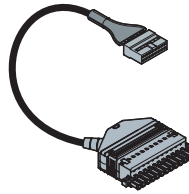
Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	1 HE 10/16 points	1 HE 10/16 points

interfast 3

Siemens PLC S7 300
PLC board with built-in connector. Cable with Omniconnect connector

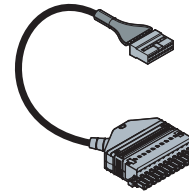


Board 16 O DIGITAL



Use with frontal connector :
6ES7921-3AA00-0AA0
6ES7921-3AB00-0AA0

Board 16 O DIGITAL



Use with frontal connector :
6ES7921-3AA20-0AA0

Note : 2 cables per PLC board

Note : 4 cables per PLC board

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGIT.			Boards 16O DIGIT.		
6ES7322-1BH01-0AA0	0 1 4 5	8 Relays N / 8 Opto N	6ES7322-8BH00-0AB0	0 4	
6ES7322-1BH81-0AA0	0 1 4 5	8 Relays N / 8 Opto N			

Wire markers optional: Consult us

Accessories: see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	LA150/HE10-16/OMN12/296/UL		0028 912.11	LA150/HE10-16/OMN12/296/UL		0028 912.11
2 m	LA200/HE10-16/OMN12/296/UL		0028 913.12	LA200/HE10-16/OMN12/296/UL		0028 913.12
2,5 m						
3 m	LA300/HE10-16/OMN12/296/UL		0028 915.14	LA300/HE10-16/OMN12/296/UL		0028 915.14
4 m						
5 m	LA500/HE10-16/OMN12/296/UL		0028 917.16	LA500/HE10-16/OMN12/296/UL		0028 917.16

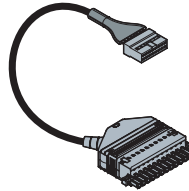
Characteristics		Board 16 O DIGITAL		Board 16 O DIGITAL	
Type of interface connector		1 Omniconnect 12 points		1 Omniconnect 12 points	
Wire size		0,14 mm ² - 26 AWG		0,14 mm ² - 26 AWG	
Resistance/capacity cable		138 Ω/KM - 120 nF/KM		138 Ω/KM - 120 nF/KM	
PLC connector reference		1 HE 10/16 points		1 HE 10/16 points	

interfast 3

Siemens PLC S7 300
PLC board with built-in connector. Cable with Omniconnect connector

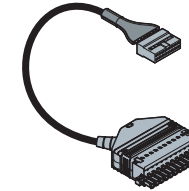


Board 8 I / 8 O DIGITAL Board 8 O DIGITAL



Use with frontal connector :
6ES7921-3AB20-0AA0
6ES7921-3AA00-0AA0

Board 8 O DIGITAL



Use with frontal connector :
6ES7921-3AC00-0AA0
6ES7921-3AD00-0AA0

Note : 2 cables per PLC board

(1) Common by group of 8

Type of board	Connector interface	Decoupling interface Input	Decoupling interface Output	Type of board	Connector interface	Decoupling interface
Boards 8I/8O DIGIT.				Boards 8 O DIGITAL		
6ES7323-1BH01-0AA0	0 1 4 5		8 Relays N	6ES7322-1BF01-0AA0 (1)	0 1	8 Relays N
6ES7323-1BH81-0AA0	0 1 4 5	8 Opto P	8 Opto N			
Boards 8 O DIGITAL						
6ES7322-8BF00-0AA0	0 4					
6ES7322-8BF80-0AA0	0 4					

Wire markers optional: Consult us

Accessories: see section on ACCESSORIES

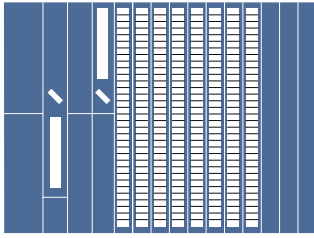
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	LA150/HE10-16/OMN12/296/UL		0028 912.11	LA150/HE10-16/OMN12/297/UL		0028 918.27
2 m	LA200/HE10-16/OMN12/296/UL		0028 913.12	LA200/HE10-16/OMN12/297/UL		0028 919.20
2,5 m						
3 m	LA300/HE10-16/OMN12/296/UL		0028 915.14	LA300/HE10-16/OMN12/297/UL		0028 921.12
4 m						
5 m	LA500/HE10-16/OMN12/296/UL		0028 917.16	LA500/HE10-16/OMN12/297/UL		0028 923.14

Characteristics		Board 8 I / 8 O DIGITAL		Board 8 O DIGITAL	
Type of interface connector		1 Omniconnect 12 points		1 Omniconnect 12 points	
Wire size		0,14 mm ² - 26 AWG		0,14 mm ² - 26 AWG	
Resistance/capacity cable		138 Ω/KM - 120 nF/KM		138 Ω/KM - 120 nF/KM	
PLC connector reference		1 HE 10/16 points		1 HE 10/16 points	

CONNECTION TECHNOLOGY SELECTION GUIDE

SIEMENS S7 400



Multipurpose cable

See chapter
"Connection cables"



interfast 2

Swing arm pre-wired by ENTRELEC

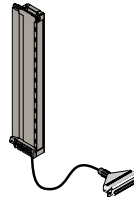
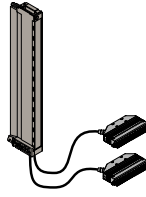
HDI High density range



STI standard range



Sub D range Shielded cable



interfast 3

PLC used has a connector on the card

STI range cable



Modulo 16

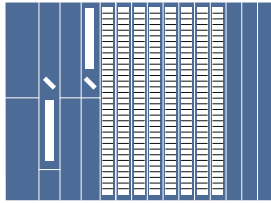


Modulo 8

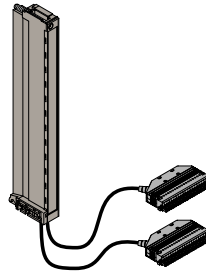
References	See page	See page	See page
Boards 32 I DIGITAL			
6ES7421-1BL01-0AA0	Page 46		Page 53
6ES7421-1EL00-0AA0	Page 46		
6MD1021-0AA00-0AA0	Page 48		
Boards 32 O DIGITAL			
6ES7422-1BL00-0AA0	Page 46		Page 53
6ES7422-7BL00-0AB0	Page 46		Page 53
6MD1022-0AA0-0AA0	Page 48		
Boards 16 I DIGITAL			
6ES7421-7DH00-0AB0	Page 46		Page 53
6ES7421-1FH00-0AA0	Page 46		
6ES7421-5EH00-0AA0	Page 46		Page 53
6ES7421-7BH00-0AB0	Page 46		
6ES7421-1FH20-0AA0	Page 46		
Boards 16 O DIGITAL			
6ES7422-1BH11-0AA0	Page 47		Page 53
6ES7422-1FH00-0AA0	Page 46		
6ES7422-1HH00-0AA0	Page 47		
6ES7422-5EH10-0AB0	Page 47		Page 53
6ES7422-5EH00-0AB0	Page 46		
Boards 8 O DIGITAL			
6ES7422-1FF00-0AA0	Page 47		
Boards 32 I ANA			
6MD1031-0AA00-0AA0	Page 48	Page 52	
6MD1031-0BA00-0AA0	Page 48	Page 52	
Boards 16 I ANA			
6ES7431-7QH00-0AB0	Page 50	Page 51	
6ES7431-0HH00-0AB0	Page 50	Page 51	
6MD1032-0AA00-0AA0	Page 48	Page 52	
6MD1032-0BA00-0AA0	Page 48	Page 52	
Boards 8 I ANA			
6ES7431-1KF00-0AB0	Page 50	Page 51	
6ES7431-1KF10-0AB0	Page 50	Page 51	
6ES7431-1KF20-0AB0	Page 50	Page 51	
6ES7431-7KF10-0AB0	Page 50	Page 51	
6ES7431-7KF00-0AB0	Page 50	Page 51	
Boards 8 O ANA			
6ES7432-1HF00-0AB0	Page 50	Page 51	
Pulse counter			
FM 455 C	Page 49		

interfast 2

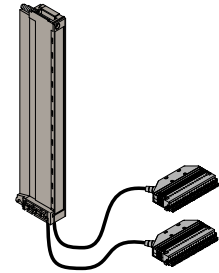
Siemens PLC S7 400
Swing arm with cable and
Omniconnect connectors



Board 32 I DIGITAL Board 32 O DIGITAL



Board 32 I DIGITAL Board 16 I DIGITAL



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 32 I DIGITAL 6ES7421-1BL01-0AA0	2 3 6 7	16 Opto P	Boards 32 I DIGITAL 6ES7421-1EL00-0AA0	2 6	
Boards 32 O DIGITAL 6ES7422-1BL00-0AA0	2 3 6 7	16 Relays N / 16 opto N	Boards 16 I DIGITAL 6ES7421-7DH00-0AB0	2 6	
6ES7422-7BL00-0AA0	2 3 6 7	16 Relays N / 16 opto N			

Wire markers optional:
Consult us

Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

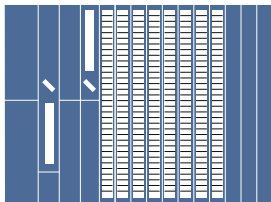
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/S7 400/2xOMN20/576	0029 994.15	0034 994.02			
1,5 m	FA150/S7 400/2xOMN20/576	0029 978.04	0034 978.21	FA150/S7 400/2xOMN20/075	0021 496.02	0027 496.00
2 m	FA200/S7 400/2xOMN20/576	0029 979.05	0034 979.22	FA200/S7 400/2xOMN20/075	0021 497.03	0027 497.01
2,5 m						
3 m	FA300/S7 400/2xOMN20/576	0029 981.10	0034 981.05	FA300/S7 400/2xOMN20/075	0021 499.15	0027 499.13
4 m						
5 m	FA500/S7 400/2xOMN20/576	0029 983.12	0034 983.07	FA500/S7 400/2xOMN20/075	0021 501.17	0027 501.15

Characteristics

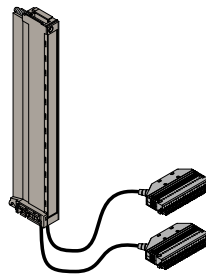
Type of interface connector	2 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7492 - 1CL00 - 0AA0	6ES7492 - 1CL00 - 0AA0

interfast 2

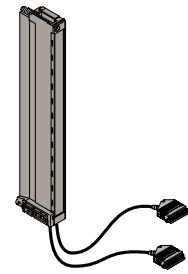
Siemens PLC S7 400
Swing arm with cable and
Omniconnect connectors



Board 16 I DIGITAL Board 16 O DIGITAL



Board 16 I DIGITAL Board 16 O DIGITAL



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL 6ES7421-7BH00-0AB0	2 6		Boards 16 I DIGITAL 6ES7421-1FH00-0AA0	0 4	
6ES7421-5EH00-0AA0	2 6		6ES7421-1FH20-0AA0	0 4	
Boards 16 O DIGITAL 6ES7422-5EH00-0AB0	2 6		Boards 16 O DIGITAL 6ES7422-1FH00-0AA0	0 4	

Wire markers optional:
Consult us

Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

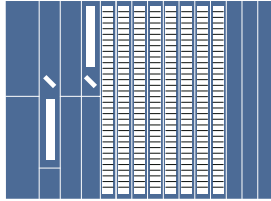
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/S7 400/2xOMN20/576	0029 994.15	0034 994.02			
1,5 m	FA150/S7 400/2xOMN20/576	0029 978.04	0034 978.21	FA150/S7 400/2xOMN12/076	0021 502.10	0027 502.16
2 m	FA200/S7 400/2xOMN20/576	0029 979.05	0034 979.22	FA200/S7 400/2xOMN12/076	0021 503.11	0027 503.17
2,5 m						
3 m	FA300/S7 400/2xOMN20/576	0029 981.10	0034 981.05	FA300/S7 400/2xOMN12/076	0021 505.13	0027 505.11
4 m						
5 m	FA500/S7 400/2xOMN20/576	0029 983.12	0034 983.07	FA500/S7 400/2xOMN12/076	0021 507.15	0027 507.13

Characteristics

Type of interface connector	2 Omniconnect 20 points	2 Omniconnect 12 points
Wire size	0,22mm ² - 24 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7492 - 1CL00 - 0AA0	6ES7492 - 1CL00 - 0AA0

interfast 2

Siemens PLC S7 400
Swing arm with cable and
Omniconnect connectors

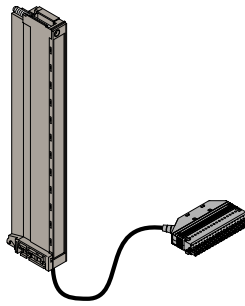


■ Wire markers optional:
Consult us

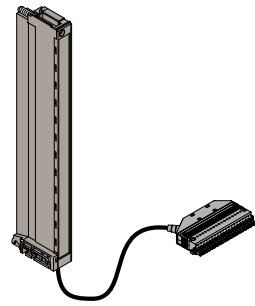
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Board 16 O DIGITAL



Board 16 O DIGITAL



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGIT 6ES7422-1BH11-0AA0	2 3	16 Relays N / 16 Opto N	Boards 16 O DIGITAL 6ES7422-5EH10-0AB0	2 3 ⁽¹⁾	16 Relays N ⁽¹⁾ / 16 Opto N ⁽¹⁾

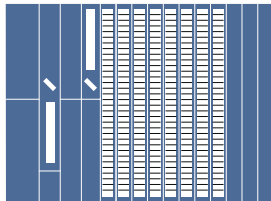
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/S7 400/OMN20/077	0021 508.26	0027 508.24	FA150/S7 400/OMN20/438	0029 714.23	0034 714.10
2 m	FA200/S7 400/OMN20/077	0021 509.27	0027 509.25	FA200/S7 400/OMN20/438	0029 715.24	0034 715.11
2,5 m						
3 m	FA300/S7 400/OMN20/077	0021 511.00	0027 511.06	FA300/S7 400/OMN20/438	0029 717.26	0034 717.13
4 m						
5 m	FA500/S7 400/OMN20/077	0021 513.02	0027 513.00	FA500/S7 400/OMN20/438	0029 719.00	0034 719.25

Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7492 - 1CL00 - 0AA0	6ES7492 - 1CL00 - 0AA0

interfast 2

Siemens PLC S7 400
Swing arm with cable and
Omniconnect connectors

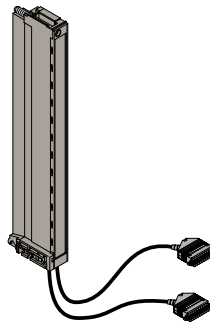


■ Wire markers optional:
Consult us

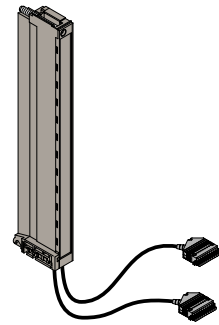
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Board 16 O DIGITAL



Board 8 O DIGITAL



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGITAL 6ES7422-1HH00-0AA0	0 4		Boards 8 O DIGITAL 6ES7422-1FF00-0AA0	0 4	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/S7 400/2xOMN12/078	0021 514.03	0027 514.01	FA150/S7 400/2xOMN12/079	0021 520.15	0027 520.13
2 m	FA200/S7 400/2xOMN12/078	0021 515.04	0027 515.02	FA200/S7 400/2xOMN12/079	0021 521.02	0027 521.00
2,5 m						
3 m	FA300/S7 400/2xOMN12/078	0021 517.06	0027 517.04	FA300/S7 400/2xOMN12/079	0021 523.04	0027 523.02
4 m						
5 m	FA500/S7 400/2xOMN12/078	0021 519.10	0027 519.16	FA500/S7 400/2xOMN12/079	0021 525.06	0027 525.04

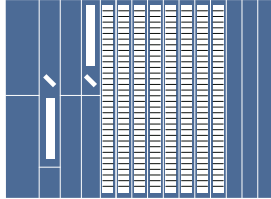
Characteristics

Type of interface connector	2 Omniconnect 12 points	2 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7492 - 1CL00 - 0AA0	6ES7492 - 1CL00 - 0AA0

interfast 2



Siemens PLC S7 400
Swing arm with cable and
Omniconnect connectors



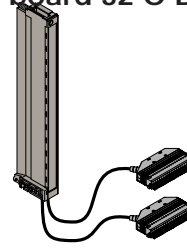
A
2

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Safety board 32 I DIGITAL Safety board 32 O DIGITAL



WITH CONNECTOR INTERFACE

⁽¹⁾ For 24 VDC only

WITH DECOUPLING INTERFACE

⁽¹⁾ For 24 VDC only

The validation monitoring terminals (FR0, FR1) are not run up to our interfaces

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 32 I DIGITAL			Boards 32 O DIGITAL		
6MD1021-0AA00-0AA0	2 3 (1) 6 7 (1)	16 Opto P (1)	6MD1022-0AA00-0AA0	2 3 (1) 6 7 (1)	16 Relays N (1) / 16 Opto N (1)
Boards 32 O DIGITAL					
6MD1022-0AA00-0AA0	2 6				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/S7 400/2xOMN20/408	0029 566.27	0034 566.14	FA150/S7 400/2xOMN20/409	0029 572.25	0034 572.12
2 m	FA200/S7 400/2xOMN20/408	0029 567.20	0034 567.15	FA200/S7 400/2xOMN20/409	0029 573.26	0034 573.13
2,5 m						
3 m	FA300/S7 400/2xOMN20/408	0029 569.02	0034 569.27	FA300/S7 400/2xOMN20/409	0029 575.20	0034 575.15
4 m						
5 m	FA500/S7 400/2xOMN20/408	0029 571.24	0034 571.11	FA500/S7 400/2xOMN20/409	0029 577.22	0034 577.17

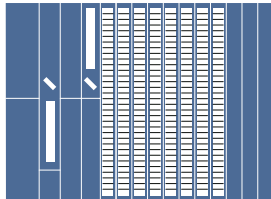
Characteristics

Type of interface connector	2 Omnicontact 20 points	2 Omnicontact 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7492 - 1CL00 - 0AA0	6ES7492 - 1CL00 - 0AA0

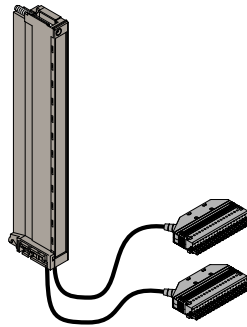
interfast 2



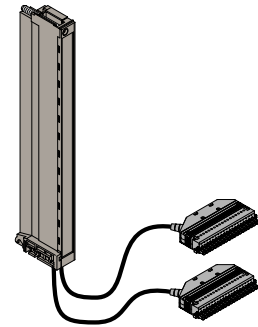
Siemens PLC S7 400
Swing arm with cable and
Omniconnect connectors



Safety board 32 I ANA



Safety board 16 I ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 32 I ANA			Boards 16 I ANA		
6MD1031-0AA00-0AA0	2 6		6MD1032-0AA00-0AA0	2 6	
6MD1031-0BA00-0AA0	2 6		6MD1032-0BA00-0AA0	2 6	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/S7 400/2xOMN20/539	0036 342.25	0037 342.26	FA150/S7 400/2xOMN20/541	0036 354.21	0037 354.22
2 m	FA200/S7 400/2xOMN20/539	0036 343.26	0037 343.27	FA200/S7 400/2xOMN20/541	0036 355.22	0037 355.23
2,5 m						
3 m	FA300/S7 400/2xOMN20/539	0036 345.20	0037 345.21	FA300/S7 400/2xOMN20/541	0036 357.24	0037 357.25
4 m						
5 m	FA500/S7 400/2xOMN20/539	0036 347.22	0037 347.23	FA500/S7 400/2xOMN20/541	0036 359.06	0037 359.07

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

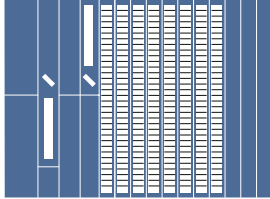
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

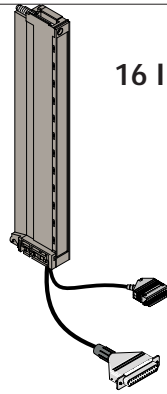
Type of interface connector	2 Omnicontact 20 points	2 Omnicontact 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7492 - 1CL00 - 0AA0	6ES7492 - 1CL00 - 0AA0

interfast 2

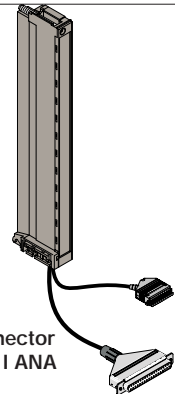
Siemens PLC S7 400
Swing arm with cable and
Omniconnect connectors



FM 455 C 16 I DIGITAL / 16 I ANA / 16 O ANA



Front left connector
8 I DIGITAL / 16 O ANA



Front right connector
8 I DIGITAL / 16 I ANA

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I DIGITAL / 16 O ANA			Boards 8 I DIGITAL / 16 I ANA		
FM 455 C	0 1 4 5 and Sub D 25		FM 455 C	0 1 4 5 and Sub D 37	

Wire markers optional:
Consult us

Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	FA150/S7 400/SubD25+OMN12/416	0036 096.03	0037 096.04	FA150/S7 400/SubD37+OMN12/415	0036 090.11	0037 090.12
2 m	FA200/S7 400/SubD25+OMN12/416	0036 097.04	0037 097.05	FA200/S7 400/SubD37+OMN12/415	0036 091.06	0037 091.07
2,5 m						
3 m	FA300/S7 400/SubD25+OMN12/416	0036 099.16	0037 099.17	FA300/S7 400/SubD37+OMN12/415	0036 093.00	0037 093.01
4 m						
5 m	FA500/S7 400/SubD25+OMN12/416	0036 101.15	0037 101.16	FA500/S7 400/SubD37+OMN12/415	0036 095.02	0037 095.03

Characteristics	
Type of interface connector	1 Omniconnect 12 poles + 1 Sub D 25
Wire size	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7492 - 1CL00 - 0AA0

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m						
2 m						
2,5 m						
3 m						
4 m						
5 m						

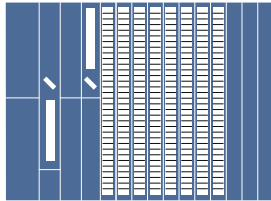
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics	
Type of interface connector	
Wire size	
Resistance/capacity cable	
PLC connector reference	

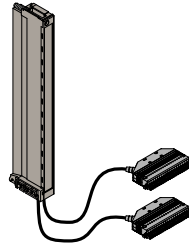
interfast 2



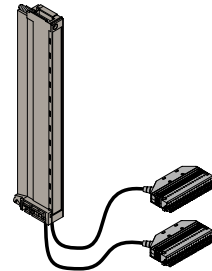
Siemens PLC S7 400
Swing arm with cable and
Omniconnect connectors



Board 16 I ANA
Board 8 I ANA
Board 8 O ANA



Board 8 I ANA



(1) For these references only :
0021 021.00, 0032 003.12, 0631 001.25, 0032 121.04

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I ANA			Boards 8 I ANA		
6ES7431-7QH00-0AB0	2 6 (1)		6ES7431-7KF00-0AB0	2 6	
6ES7431-0HH00-0AB0	2 6 (1)				
Boards 8 I ANA					
6ES7431-1KF00-0AB0	2 6 (1)				
6ES7431-7KF10-0AB0	2 6 (1)				
Boards 8 O ANA					
6ES7432-1HF00-0AB0	2 6 (1)				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/S7 400/2xOMN20/540	0036 348.03	0037 348.04	FA150/S7 400/2xOMN20/538	0036 336.17	0037 336.10
2 m	FA200/S7 400/2xOMN20/540	0036 349.04	0037 349.05	FA200/S7 400/2xOMN20/538	0036 337.10	0037 337.11
2,5 m						
3 m	FA300/S7 400/2xOMN20/540	0036 351.26	0037 351.27	FA300/S7 400/2xOMN20/538	0036 339.22	0037 339.23
4 m						
5 m	FA500/S7 400/2xOMN20/540	0036 353.20	0037 353.21	FA500/S7 400/2xOMN20/538	0036 341.24	0037 341.25

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

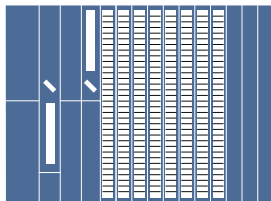
Characteristics

Type of interface connector	2 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7492 - 1CL00 - 0AA0	6ES7492 - 1CL00 - 0AA0

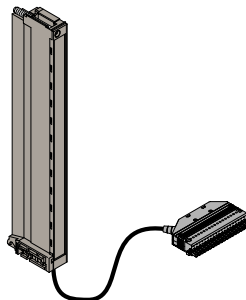
interfast 2



Siemens PLC S7 400
Swing arm with cable and
Omniconnect connectors



Board 8 I ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA					
6ES7431-1KF10-0AB0	2				
6ES7431-1KF20-0AB0	2				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/S7 400/OMN20/542	0036 360.03	0037 360.04			
2 m	FA200/S7 400/OMN20/542	0036 361.20	0037 361.21			
2,5 m						
3 m	FA300/S7 400/OMN20/542	0036 363.22	0037 363.23			
4 m						
5 m	FA500/S7 400/OMN20/542	0036 365.24	0037 365.25			

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

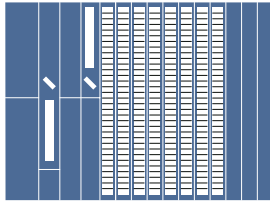
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

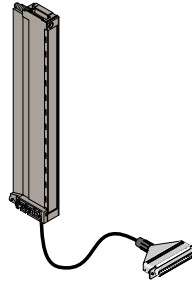
Type of interface connector	1 Omniconnect 20 points	
Wire size	0,22mm ² - 24 AWG	
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	
PLC connector reference	6ES7492 - 1CL00 - 0AA0	

interfast 2

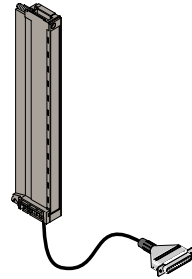
Siemens PLC S7 400
Swing arm with cable and
Sub D connectors



Board 16 I ANA
Board 8 I ANA
Board 8 O ANA



Board 8 I ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I ANA			Boards 8 I ANA		
6ES7431-7QH00-0AB0	Sub D 37		6ES7431-1KF10-0AB0	Sub D 25	
6ES7431-0HH00-0AB0	Sub D 37		6ES7431-1KF20-0AB0	Sub D 25	
Boards 8 I ANA					
6ES7431-1KF00-0AB0	Sub D 37				
6ES7431-7KF10-0AB0	Sub D 37				
Boards 8 O ANA					
6ES7432-1HF00-0AB0	Sub D 37				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/S7 400/SUBD37/072	0021 478.27	0027 478.25	FA150/S7 400/SUBD25/073	0021 484.06	0027 484.04
2 m	FA200/S7 400/SUBD37/072	0021 479.20	0027 479.26	FA200/S7 400/SUBD25/073	0021 485.07	0027 485.05
2,5 m						
3 m	FA300/S7 400/SUBD37/072	0021 481.03	0027 481.01	FA300/S7 400/SUBD25/073	0021 487.01	0027 487.07
4 m						
5 m	FA500/S7 400/SUBD37/072	0021 483.05	0027 483.03	FA500/S7 400/SUBD25/073	0021 489.13	0027 489.11

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

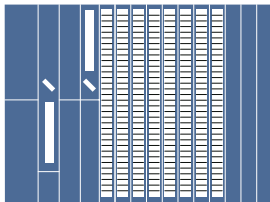
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

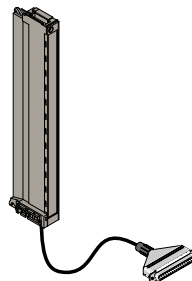
Type of interface connector	1 Sub D 37 female points	1 Sub D 25 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7492 - 1CL00 - 0AA0	6ES7492 - 1CL00 - 0AA0

interfast 2

Siemens PLC S7 400
Swing arm with cable and
Sub D connectors



Board 8 I ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA					
6ES7431-7KF00-0AB0	Sub D 37				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/S7 400/SUBD37/573	0029 960.06	0034 960.23			
2 m	FA200/S7 400/SUBD37/573	0029 961.23	0034 961.10			
2,5 m						
3 m	FA300/S7 400/SUBD37/573	0029 963.25	0034 963.12			
4 m						
5 m	FA500/S7 400/SUBD37/573	0029 965.27	0034 965.14			

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

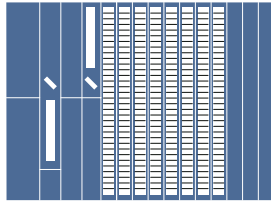
Characteristics

Type of interface connector	1 Sub D 37 female points
Wire size	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7492 - 1CL00 - 0AA0

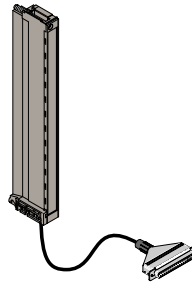
interfast 2



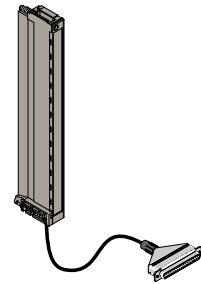
Siemens PLC S7 400
Swing arm with cable and
Sub D connectors



Safety board 32 I ANA



Safety board 16 I ANA



A
2

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 32 I ANA			Boards 16 I ANA		
6MD1031-0AA0-0AA0	Sub D 37		6MD1032-0AA0-0AA0	Sub D 37	
6MD1031-0BA00-0AA0	Sub D 37		6MD1032-0BA00-0AA0	Sub D 37	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/S7 400/SUBD37/412	0029 590.24	0034 590.11	FA150/S7 400/SUBD37/413	0029 596.16	0034 596.03
2 m	FA200/S7 400/SUBD37/412	0029 591.11	0034 591.06	FA200/S7 400/SUBD37/413	0029 597.17	0034 597.04
2,5 m						
3 m	FA300/S7 400/SUBD37/412	0029 593.13	0034 593.00	FA300/S7 400/SUBD37/413	0029 599.21	0034 599.16
4 m						
5 m	FA500/S7 400/SUBD37/412	0029 595.15	0034 595.02	FA500/S7 400/SUBD37/413	0029 601.03	0034 601.20

Characteristics

Type of interface connector	1 Sub D 37 female points	1 Sub D 37 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7492 - 1CL00 - 0AA0	6ES7492 - 1CL00 - 0AA0

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m						
2 m						
2,5 m						
3 m						
4 m						
5 m						

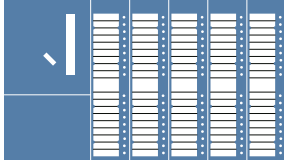
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector		
Wire size		
Resistance/capacity cable		
PLC connector reference		

interfast 3

Siemens PLC S7 400
PLC board with built-in
connector. Cable with
Omniconnect connector

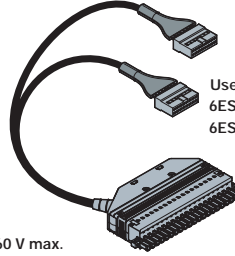


■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

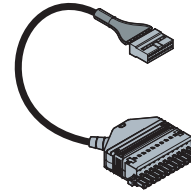
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Board 32 I DIGITAL Board 32 O DIGITAL Board 16 I DIGITAL



Use with frontal connector :
6ES7921-4AA00-0AA0
6ES7921-4AB00-0AA0

Board 32 I DIGITAL Board 32 O DIGITAL Board 16 I DIGITAL



Use with frontal connector :
6ES7921-4AA00-0AA0
6ES7921-4AB00-0AA0

⁽¹⁾ To 60 V max.

Note : 2 cables per PLC board

⁽¹⁾ To 60 V max.

Note : 4 cables per PLC board

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 32 I DIGITAL	2 3 6 7	16 Opto P	Boards 32 I DIGITAL	0 1 4 5	8 Opto P
6ES7421-1BL01-0AA0			6ES7421-1BL01-0AA0		
Boards 32 O DIGITAL	2 3 6 7	16 Relays N / 16 Opto N	Boards 32 O DIGITAL	0 1 4 5	8 Relays N / 8 Opto N
6ES7422-1BL00-0AA0			6ES7422-1BL00-0AA0		
6ES7422-7BL00-0AB0		16 Relays N / 16 Opto N	6ES7422-7BL00-0AB0		8 Relays N / 8 Opto N
Boards 16 I DIGIT.	2 3 6		Boards 16 I DIGIT.	0 1 4	
6ES7421-7DH00-0AB0			6ES7421-7DH00-0AB0		
6ES7421-5EH00-0AA0 ⁽¹⁾			6ES7421-5EH00-0AA0 ⁽¹⁾		

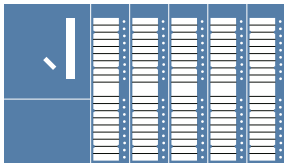
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/2xHE10-16/OMN20/295/UL		0028 906.24	LA150/HE10-16/OMN12/296/UL		0028 912.11
2 m	LA200/2xHE10-16/OMN20/295/UL		0028 907.25	LA200/HE10-16/OMN12/296/UL		0028 913.12
2,5 m						
3 m	LA300/2xHE10-16/OMN20/295/UL		0028 909.07	LA300/HE10-16/OMN12/296/UL		0028 915.14
4 m						
5 m	LA500/2xHE10-16/OMN20/295/UL		0028 911.10	LA500/HE10-16/OMN12/296/UL		0028 917.16

Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 12 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	2 HE 10/16 points	1 HE 10/16 points

interfast 3

API Siemens S7 400
PLC board with built-in
connector. Cable with
Omniconnect connector

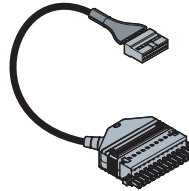


■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Board 16 O DIGITAL



Use with frontal connector :
6ES7921-4AC00-0AA0
6ES7921-4AD00-0AA0

⁽¹⁾ To 60 V max.

⁽²⁾ For 24 VDC only

Note : 2 cables per PLC board

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGITAL	0 1 4 5	8 Relays N ⁽²⁾ / 8 Opto N ⁽²⁾			
6ES7422-1BH11-0AA0					
6ES7422-5EH10-0AB0 ⁽¹⁾	0 1 4				

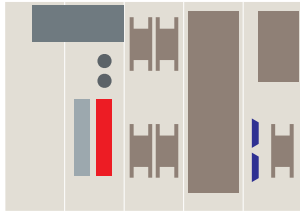
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/HE10-16/OMN12/297/UL		0028 918.27			
2 m	LA200/HE10-16/OMN12/297/UL		0028 919.20			
2,5 m						
3 m	LA300/HE10-16/OMN12/297/UL		0028 921.12			
4 m						
5 m	LA500/HE10-16/OMN12/297/UL		0028 923.14			

Characteristics

Type of interface connector	1 Omniconnect 12 points
Wire size	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM
PLC connector reference	1 HE 10/16 points

CONNECTION TECHNOLOGY SELECTION GUIDE

TELEMECANIQUE
TSX 37-MICRO



Multipurpose cable

See chapter
"Connection cables"



interfast 2

Swing arm pre-wired by ENTRELEC

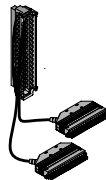
HDI High density range



STI standard range



Sub D range Shielded cable



interfast 3

PLC used has a connector on the card

STI range cable

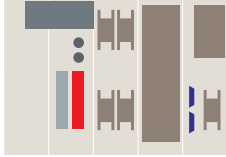


References

		See page	See page		See page	See page
Boards 32I / 32O DIGITAL						
TSX DMZ 64 DTK					Page 59	
Boards 32 I DIGITAL						
TSX DEZ 32D2		Page 55				
Boards 32 O DIGITAL						
TSX DSZ 32T2		Page 55				
TSX DSZ 32R5		Page 55				
Boards 16I / 12O DIGITAL						
TSX DMZ 28 DTK					Page 59	
TSX DMZ 28 AR		Page 55				
TSX DMZ 28 DR		Page 55				
TSX DMZ 28 DT		Page 55				
Boards 12I DIGITAL						
TSX DEZ 12D2K					Page 59	
TSX DEZ 12D2		Page 55				
Boards 8I DIGITAL						
TSX DEZ 08A4		Page 56				
TSX DEZ 08A5		Page 56				
Boards 8O DIGITAL						
TSX DSZ 08R5		Page 56				
TSX DSZ 08T2		Page 56				
TSX DSZ 08T2K						Page 59
Boards 8I / 8O DIGITAL						
TSX DMZ 16DTK					Page 59	
Boards 4O DIGITAL						
TSX DSZ 04T22		Page 56				
Boards 8I ANA						
TSX AEZ 801		Page 57	Page 58			
TSX AEZ 802		Page 57	Page 58			
Boards 4I ANA						
TSX AEZ 414		Page 57	Page 58			
Boards 4O ANA						
TSX ASZ 401		Page 57	Page 58			
Boards 2O ANA						
TSX ASZ 200		Page 57	Page 58			
Safety Boards						
TSX DPZ 10D2A		Page 56				

interfast 2

Télémécanique PLC TSX 37-MICRO
Swing arm with cable and
Omniconnect connectors

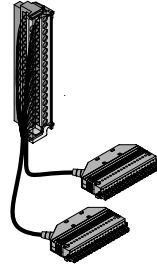


■ Wire markers optional:
Consult us

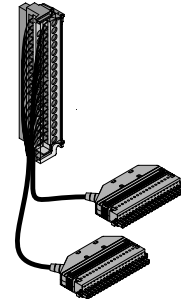
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Board 32 I DIGITAL Board 32 O DIGITAL Board 16 I / 12 O DIGITAL



Board 32 O DIGITAL



⁽¹⁾ For 16 I only

⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 32 I DIGITAL			Boards 32S TOR		
TSX DEZ 32 D2	2 3 6 7	16 opto P	TSX DSZ 32 R5	2 3 6 7	16 Relays N ⁽¹⁾ / 16 Opto N ⁽¹⁾
Boards 32 O DIGIT.					
TSX DSZ 32 T2	2 3 6 7	16 Relays N / 16 opto N			
Boards 16I / 12O DIGIT.					
TSX DMZ 28 DR	2 3 6	16 opto ⁽¹⁾			
TSX DMZ 28 AR	2 6				

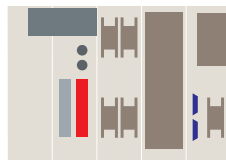
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/TSX37/2xOMN20/133	0021 904.13	0027 904.11	FA150/TSX37/2xOMN20/574	0029 966.20	0034 966.15
2 m	FA200/TSX37/2xOMN20/133	0021 905.14	0027 905.12	FA200/TSX37/2xOMN20/574	0029 967.21	0034 967.16
2,5 m						
3 m	FA300/TSX37/2xOMN20/133	0021 907.16	0027 907.14	FA300/TSX37/2xOMN20/574	0029 969.03	0034 969.20
4 m						
5 m	FA500/TSX37/2xOMN20/133	0021 909.20	0027 909.26	FA500/TSX37/2xOMN20/574	0029 971.25	0034 971.12

Characteristics

Type of interface connector	2 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	TSX BLZ L01	TSX BLZ L01

interfast 2

Télémécanique PLC TSX 37-MICRO
Swing arm with cable and
Omniconnect connectors

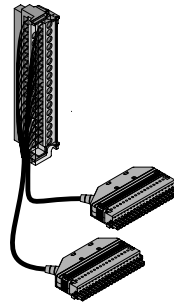


■ Wire markers optional:
Consult us

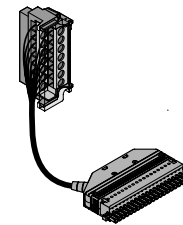
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Board 16 I / 12 O DIGITAL



Board 12 I DIGITAL



Type of board	Connector interface	Decoupling interface Input	Decoupling interface Output	Type of board	Connector interface	Decoupling interface
Boards 16I / 12O DIGIT.				Boards 12 I DIGITAL		
TSX DMZ 28 DT	2 3 6 7	16 opto P	12 Relays N	TSX DEZ 12 D2	2	16 opto

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/TSX37/2xOMN20/132	0021 898.15	0027 898.13	FA150/TSX37/OMN20/134	0021 910.14	0027 910.12
2 m	FA200/TSX37/2xOMN20/132	0021 899.16	0027 899.14	FA200/TSX37/OMN20/134	0021 911.01	0027 911.07
2,5 m						
3 m	FA300/TSX37/2xOMN20/132	0021 901.10	0027 901.16	FA300/TSX37/OMN20/134	0021 913.03	0027 913.01
4 m						
5 m	FA500/TSX37/2xOMN20/132	0021 903.12	0027 903.10	FA500/TSX37/OMN20/134	0021 915.05	0027 915.03

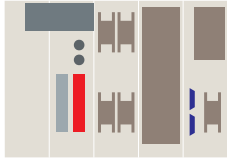
Characteristics

Type of interface connector	2 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	TSX BLZ L01	TSX BLZ H01

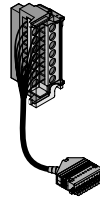
interfast 2



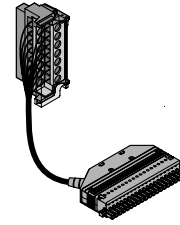
Télémécanique PLC TSX 37-MICRO
Swing arm with cable and
Omniconnect connectors



Board 8 I DIGITAL Board 8 O DIGITAL



Board 8 O DIGITAL



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I DIGITAL			Boards 8 O DIGITAL		
TSX DEZ 08 A4	0		TSX DSZ 08 R5	2	
TSX DEZ 08 A5	0		Safety boards		
Boards 8 O DIGITAL			TSX DPZ 10 D2 A	2	
TSX DSZ 08 T2	0	8 Relays N / 8 opto N			

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/TSX37/OMN12/136	0021 922.04	0027 922.02	FA150/TSX37/OMN20/135	0021 916.06	0027 916.04
2 m	FA200/TSX37/OMN12/136	0021 923.05	0027 923.03	FA200/TSX37/OMN20/135	0021 917.07	0027 917.05
2,5 m						
3 m	FA300/TSX37/OMN12/136	0021 925.07	0027 925.05	FA300/TSX37/OMN20/135	0021 919.11	0027 919.17
4 m						
5 m	FA500/TSX37/OMN12/136	0021 927.01	0027 927.07	FA500/TSX37/OMN20/135	0021 921.03	0027 921.01

Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 20 points
Wire size	0,34mm ² - 22 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	TSX BLZ H01	TSX BLZ H01

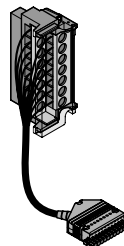
interfast 2



Télémécanique PLC TSX 37-MICRO
Swing arm with cable and
Omniconnect connectors



Board 4 O DIGITAL



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 O DIGITAL					
TSX DSZ 04 T22	0				

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/TSX37/OMN12/136	0021 922.04	0027 922.02			
2 m	FA200/TSX37/OMN12/136	0021 923.05	0027 923.03			
2,5 m						
3 m	FA300/TSX37/OMN12/136	0021 925.07	0027 925.05			
4 m						
5 m	FA500/TSX37/OMN12/136	0021 927.01	0027 927.07			

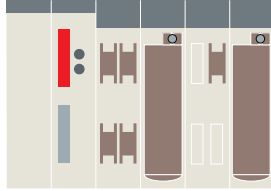
Characteristics

Type of interface connector	1 Omniconnect 12 points	
Wire size	0,34mm ² - 22 AWG	
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	
PLC connector reference	TSX BLZ H01	

interfast 2



Télémechanique PLC TSX 37-MICRO
Swing arm with cable and
Omniconnect connectors

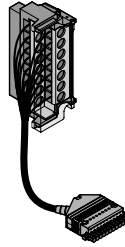


■ Wire markers optional:
Consult us

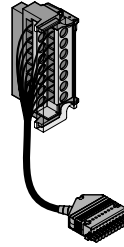
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Board 8 I DIGITAL



Board 4 I ANA Board 4 O ANA Board 2 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA			Boards 4 I ANA		
TSX AEZ 801			TSX AEZ 414		
TSX AEZ 802			Boards 4 O ANA		
			TSX ASZ 401		
			Boards 2 O ANA		
			TSX ASZ 200		

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
	1,5 m	FA150/TSX37/OMN12/555	0036 438.16	0037 438.17	FA150/TSX37/OMN12/557	0036 450.26
2 m	FA200/TSX37/OMN12/555	0036 439.17	0037 439.10	FA200/TSX37/OMN12/557	0036 451.13	0037 451.14
2,5 m						
3 m	FA300/TSX37/OMN12/555	0036 441.11	0037 441.12	FA300/TSX37/OMN12/557	0036 453.15	0037 453.16
4 m						
5 m	FA500/TSX37/OMN12/555	0036 443.13	0037 443.14	FA500/TSX37/OMN12/557	0036 455.17	0037 455.10

Characteristics

Type of interface connector	1 Omnicontact 12 points	1 Omnicontact 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - AWG 22
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector interface	TSX BLZ H01	TSX BLZ H01

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
	1,5 m					
2 m						
2,5 m						
3 m						
4 m						
5 m						

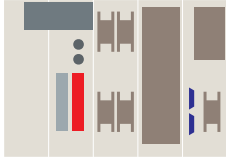
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

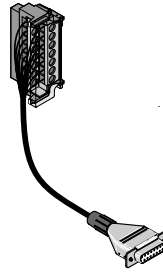
Type of interface connector		
Wire size		
Resistance/capacity cable		
PLC connector interface		

interfast 2

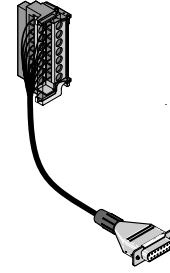
Télémécanique PLC TSX 37-MICRO
Swing arm with cable and
Sub D connectors



Board 8 I ANA



Board 4 I ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA			Boards 4 I ANA		
TSX AEZ 801	Sub D 15		TSX AEZ 414	Sub D 15	
TSX AEZ 802	Sub D 15				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/TSX37/SUBD15/129	0021 880.17	0027 880.15	FA150/TSX37/SUBD15/130	0021 886.01	0027 886.07
2 m	FA200/TSX37/SUBD15/129	0021 881.04	0027 881.02	FA200/TSX37/SUBD15/130	0021 887.02	0027 887.00
2,5 m						
3 m	FA300/TSX37/SUBD15/129	0021 883.06	0027 883.04	FA300/TSX37/SUBD15/130	0021 889.14	0027 889.12
4 m						
5 m	FA500/TSX37/SUBD15/129	0021 885.00	0027 885.06	FA500/TSX37/SUBD15/130	0021 891.06	0027 891.04

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

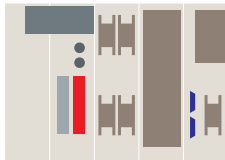
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

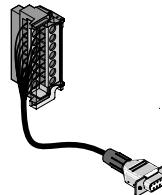
Type of interface connector	1 Sub D 15 female points	1 Sub D 15 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	TSX BLZ H01	TSX BLZ H01

interfast 2

Télémécanique PLC TSX 37-MICRO
Swing arm with cable and
Sub D connectors



Board 4 O ANA Board 2 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 O ANA					
TSX ASZ 401	Sub D 9				
Boards 2 O ANA					
TSX ASZ 200	Sub D 9				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/TSX37/SUBD9/131	0021 892.07	0027 892.05			
2 m	FA200/TSX37/SUBD9/131	0021 893.00	0027 893.06			
2,5 m						
3 m	FA300/TSX37/SUBD9/131	0021 895.02	0027 895.00			
4 m						
5 m	FA500/TSX37/SUBD9/131	0021 897.04	0027 897.02			

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

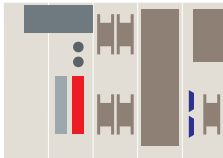
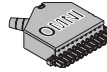
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Sub D 9 female points	
Wire size	0,34mm ² - Shielded 22 AWG	
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	
PLC connector reference	TSX BLZ H01	

interfast 3

Télémécanique PLC TSX 37-MICRO
PLC board with built-in
connector. Cable HE 10/20
connector to Omnicomnect



■ Wire markers optional:
Consult us

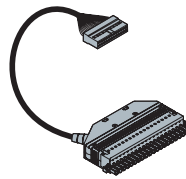
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

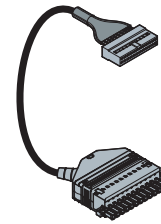
Type of interface connector	1 Omnicomnect 20 points	1 Omnicomnect 12 points
Wire size	0,14mm ² - 26 AWG	0,14mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector interface	1 HE 10/20 points	1 HE 10/20 points

Board 32 I / 32 O DIGITAL Board 16 I / 12 O DIGITAL Board 12 I DIGITAL



Connector	
HE 10/20	OMN 20
1	2
2	3
3	4
4	5
5	6
6	7
7	8
8	9
9	12
10	13
11	14
12	15
13	16
14	17
15	18
16	19
17	1
18	10
19	11
20	20

- (1) Note : 4 cables per PLC board
- (2) Note : 2 cables per PLC board
- (3) Note : 1 cable per PLC board
- (4) Consult us



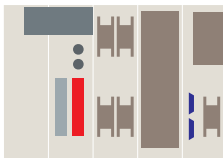
Connector	
HE 10/20	OMN 12
1	3
2	4
3	5
4	6
5	7
6	8
7	9
8	10
9	
10	
11	
12	
13	
14	
15	
16	
17	1
18	2
19	1
20	2

Type of board	Connector interface	Decoupling interface Input	Decoupling interface Output	Type of board	Connector interface	Decoupling interface
Boards 32I/32O DIGIT. TSX DMZ 64 DTK (1)	2 3 6 7		16 Relays N 16 Opto P	Boards 8 O DIGITAL TSX DSZ 08 T2K	0 1	8 Relays N / 8 opto N
Boards 16I/12O DIGIT. TSX DMZ 28 DTK (2)	2 3 6 7 (4)		16 Opto P			
Boards 12 I DIGIT. TSX DEZ 12 D2K (3)	2 3		16 Opto P			
Boards 8I/8O DIGIT. TSX DMZ 16 DTK (3)	2					

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LA100/HE10-20/OMN20/661/UL		0039 000.02	LA100/HE10-20/OMN 12/207/UL		0037 598.10
1,5 m	LA150/HE10-20/OMN20/661/UL		0039 001.27	LA150/HE10-20/OMN 12/207/UL		0028 504.21
2 m	LA200/HE10-20/OMN20/661/UL		0039 002.20	LA200/HE10-20/OMN 12/207/UL		0028 505.22
2,5 m						
3 m	LA300/HE10-20/OMN20/661/UL		0039 004.22	LA300/HE10-20/OMN 12/207/UL		0028 507.24
4 m						
5 m	LA500/HE10-20/OMN20/661/UL		0039 006.24	LA500/HE10-20/OMN 12/207/UL		0028 509.06

interfast 3

Télémécanique PLC TSX 37-MICRO
PLC board with built-in
connector. Cable HE 10/20
connector with free wires.



■ Wire markers optional:
Consult us

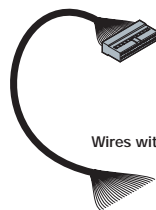
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	Free wires with ferrules
Wire size	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM
PLC connector interface	1 HE 10/20 points

Board 32 I / 32 O DIGITAL Board 16 I / 12 O DIGITAL Board 12 I DIGITAL



Wires with ferrules

HE 10/20	Colour
1	White
2	Brown
3	Green
4	Yellow
5	Grey
6	Pink
7	Blue
8	Red
9	Black
10	Violet
11	Grey-Pink
12	Red-Blue
13	White-Green
14	Brown-Green
15	White-Yellow
16	Yellow-Brown
17	White-Grey
18	Grey-Brown
19	White-Pink
20	Pink-Brown

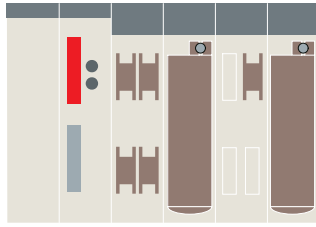
- (1) Note : 4 cables per PLC board
- (2) Note : 2 cables per PLC board
- (3) Note : 1 cable per PLC board

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 32I/32O DIGIT. TSX DMZ 64 DTK (1)					
Boards 16I/12O DIGIT. TSX DMZ 28 DTK (2)					
Boards 12 I DIGIT. TSX DEZ 12 D2K (3)					
Boards 8I/8O DIGIT. TSX DMZ 16 DTK (3)					

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LAF100/HE10-20/UNI/662/UL		0039 007.06			
1,5 m	LAF150/HE10-20/UNI/662/UL		0039 008.25			
2 m	LAF200/HE10-20/UNI/662/UL		0039 009.06			
2,5 m						
3 m	LAF300/HE10-20/UNI/662/UL		0039 011.04			
4 m						
5 m	LAF500/HE10-20/UNI/662/UL		0039 013.22			

CONNECTION TECHNOLOGY SELECTION GUIDE

TELEMECANIQUE
PLC TSX 57 PREMIUM



Multipurpose cable

See chapter
"Connection cables"



interfast 2

Swing arm pre-wired by ENTRELEC

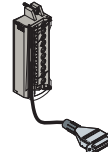
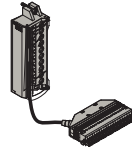
HDI High density range



STI standard range



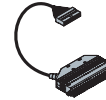
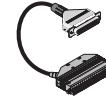
Sub D range Shielded cable



interfast 3

PLC used has a connector on the card

STI range cable



Sub D shielded cable



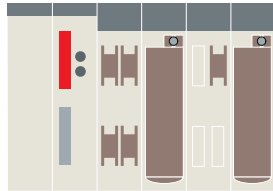
References

Boards 64 I DIGITAL						
TSX DEY 64 D2K						Page 67
Boards 64 O DIGITAL						
TSX DSY 64 T2K						Page 67
Boards 32 I DIGITAL						
TSX DEY 32 D2K						Page 67
TSX DEY 32 D3K						Page 67
Boards 32 O DIGITAL						
TSX DSY 32 T2K						Page 67
Boards 16/ 120 DIGITAL						
TSX DMY 28 FK						Page 67
TSX DMY 28 RFK						Page 67
Boards 16 I DIGITAL						
TSX DEY 16FK						Page 67
TSX DEY 16D2		Page 61				
TSX DEY 16D3		Page 61				
TSX DEY 16A2		Page 61				
TSX DEY 16A3		Page 61				
TSX DEY 16A4		Page 61				
TSX DEY 16A5		Page 61				
Boards 16 O DIGITAL						
TSX DSY 16T2		Page 61				
TSX DSY 16T3		Page 61				
TSX DSY 16R5		Page 61				
TSX DSY 16S4		Page 61				
TSX DSY 16S5		Page 61				
Boards 8 I DIGITAL						
TSX DEY 08D2		Page 62				
Boards 8 O DIGITAL						
TSX DSY 08T2		Page 62				
TSX DSY 08T22		Page 62				
TSX DSY 08T31		Page 62				
TSX DSY 08R5A		Page 62				
TSX DSY 08R4D		Page 62				
TSX DSY 08S5		Page 62				
TSX DSY 08R5		Page 63				
Boards 16 I ANA						
TSX AEY 1600						Page 68
TSX AEY 1614						Page 69
Boards 8 I TOR						
TSX AEY 800						Page 68
TSX AEY 810						Page 68
Boards 8 O ANA						
TSX ASY 800						Page 68
Boards 4 I ANA						
TSX AEY 414		Page 64	Page 65			
TSX AEY 420						Page 69
Boards 4 O ANA						
TSX ASY 410		Page 64	Page 66			Page 70

interfast 2



Télemécanique PLC TSX 57-PREMIUM
Swing arm with cable and
Omniconnect connectors

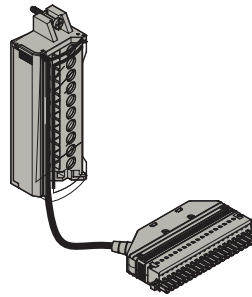


■ Wire markers optional:
Consult us

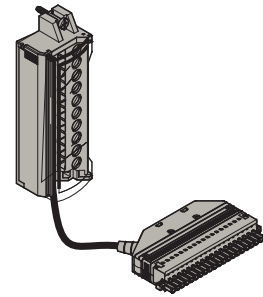
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Board 16 I DIGITAL



Board 16 O DIGITAL



⁽¹⁾ 48 VDC on request

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL			Boards 16 O DIGITAL		
TSX DEY 16D2	2 3	16 opto P	TSX DSY 16T2	2 3	16 opto N / 16 Relays N
TSX DEY 16D3	2		TSX DSY 16T3	2	16 opto N ⁽¹⁾ / 16 Relays
TSX DEY 16A2	2 3		N ⁽¹⁾		
TSX DEY 16A3	2				
TSX DEY 16A4	2				
TSX DEY 16A5	2				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/TSX57/OMN20/248	0026 636.12	0028 636.24	FA150/TSX57/OMN20/248	0026 636.12	0028 636.24
2 m	FA200/TSX57/OMN20/248	0026 637.13	0028 637.25	FA200/TSX57/OMN20/248	0026 637.13	0028 637.25
2,5 m						
3 m	FA300/TSX57/OMN20/248	0026 639.25	0028 639.07	FA300/TSX57/OMN20/248	0026 639.25	0028 639.07
4 m						
5 m	FA500/TSX57/OMN20/248	0026 641.27	0028 641.01	FA500/TSX57/OMN20/248	0026 641.27	0028 641.01

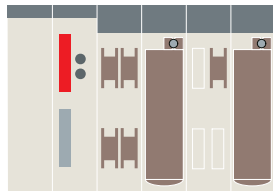
Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector interface	TSX BLY 01	TSX BLY 01

interfast 2



Télemécanique PLC TSX 57-PREMIUM
Swing arm with cable and
Omniconnect connectors

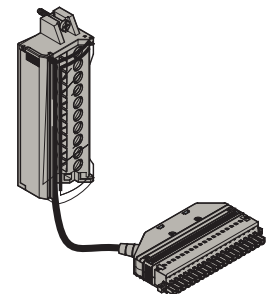
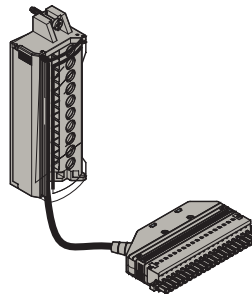


■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Board 16 O DIGITAL



COMMON BY GROUP OF 8

⁽¹⁾ 24 V DC only

COMMON BY GROUP OF 4

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGITAL			Boards 16 O DIGITAL		
TSX DSY 16R5	2 3 ⁽¹⁾	16 opto N/P ⁽¹⁾ /16 relays N/P ⁽¹⁾	TSX DSY 16R5	2	
TSX DSY 16S4	2		TSX DSY 16S4	2	
TSX DSY 16S5	2		TSX DSY 16S5	2	

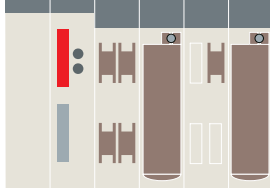
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/TSX57/OMN20/249	0026 642.20	0028 642.02	FA150/TSX57/OMN20/250	0026 648.06	0028 648.10
2 m	FA200/TSX57/OMN20/249	0026 643.21	0028 643.03	FA200/TSX57/OMN20/250	0026 649.07	0028 649.11
2,5 m						
3 m	FA300/TSX57/OMN20/249	0026 645.23	0028 645.05	FA300/TSX57/OMN20/250	0026 651.21	0028 651.03
4 m						
5 m	FA500/TSX57/OMN20/249	0026 647.25	0028 647.07	FA500/TSX57/OMN20/250	0026 653.23	0028 653.05

Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector interface	TSX BLY 01	TSX BLY 01

interfast 2

Télemécanique PLC TSX 57-PREMIUM
Swing arm with cable and
Omniconnect connectors



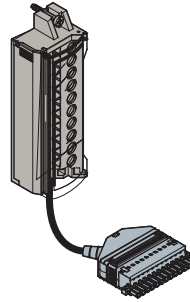
A
3

■ Wire markers optional:
Consult us

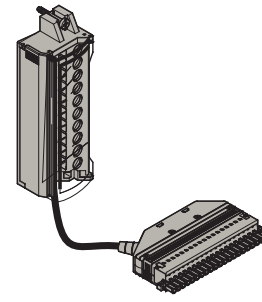
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Board 8 I DIGITAL Board 8 O DIGITAL



Board 8 O DIGITAL



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I DIGITAL			Boards 8 O DIGITAL		
TSX DEY 08D2	0 ■ 1 ■		TSX DSY 08R5A	2 ■	
Boards 8 O DIGITAL			TSX DSY 08R4D	2 ■	
TSX DSY 08T2	0 ■ 1 ■	8 opto N / 8 Relays N			

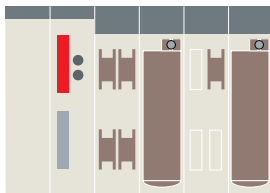
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/TSX57/OMN12/252	0026 852.13	0028 852.25	FA150/TSX57/OMN20/251	0026 654.24	0028 654.06
2 m	FA200/TSX57/OMN12/252	0026 853.14	0028 853.26	FA200/TSX57/OMN20/251	0026 655.25	0028 655.07
2,5 m						
3 m	FA300/TSX57/OMN12/252	0026 855.16	0028 855.20	FA300/TSX57/OMN20/251	0026 657.27	0028 657.01
4 m						
5 m	FA500/TSX57/OMN12/252	0026 857.10	0028 857.22	FA500/TSX57/OMN20/251	0026 659.01	0028 659.13

Characteristics

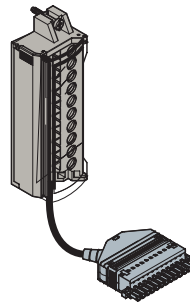
Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 20 points
Wire size	0,34mm ² - 22 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector interface	TSX BLY 01	TSX BLY 01

interfast 2

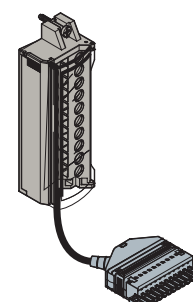
Télemécanique PLC TSX 57-PREMIUM
Swing arm with cable and
Omniconnect connectors



Board 8 O DIGITAL



Board 8 O DIGITAL



⁽¹⁾ 48 VDC on request

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O DIGITAL			Boards 8 O DIGITAL		
TSX DSY 08T22	0 ■ 1 ■	8 opto N / 8 Relays N	TSX DSY 08S5	0 ■	
TSX DSY 08T31	0 ■	8 opto N ⁽¹⁾ / 8 Relays N ⁽¹⁾			

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/TSX57/OMN12/253	0026 660.06	0028 660.10	FA150/TSX57/OM12/254	0026 666.20	0028 666.02
2 m	FA200/TSX57/OMN12/253	0026 661.23	0028 661.05	FA200/TSX57/OM12/254	0026 667.21	0028 667.03
2,5 m						
3 m	FA300/TSX57/OMN12/253	0026 663.25	0028 663.07	FA300/TSX57/OM12/254	0026 669.03	0028 669.15
4 m						
5 m	FA500/TSX57/OMN12/253	0026 665.27	0028 665.01	FA500/TSX57/OM12/254	0026 671.25	0028 671.07

Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector interface	TSX BLY 01	TSX BLY 01

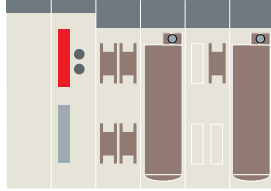
■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

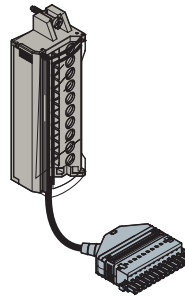
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

interfast 2

Télemécanique PLC TSX 57-PREMIUM
Swing arm with cable and Omni-connect connectors

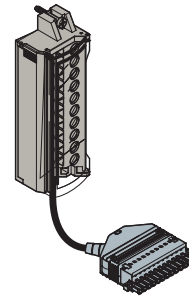


Board 8 O DIGITAL



COMMON BY GROUP OF 8

Board 8 O DIGITAL



COMMON BY GROUP OF 4

⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O DIGITAL TSX DSY 08R5	0 ■ ■ ■ ■ ■ ■ ■ ■ ⁽¹⁾	8 relays N/P ⁽¹⁾ / 8 opto N/P ⁽¹⁾	Boards 8 O DIGITAL TSX DSY 08R5	0 ■ ■ ■ ■ ■ ■ ■ ■	

Wire markers optional:
Consult us

Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
	1,5 m	FA150/TSX57/OMN12/255	0026 672.26	0028 672.00	FA150/TSX57/OMN12/586	0036 614.16
2 m	FA200/TSX57/OMN12/255	0026 673.27	0028 673.01	FA200/TSX57/OMN12/586	0036 615.17	0037 615.10
2,5 m						
3 m	FA300/TSX57/OMN12/255	0026 675.21	0028 675.03	FA300/TSX57/OMN12/586	0036 617.11	0037 617.12
4 m						
5 m	FA500/TSX57/OMN12/255	0026 677.23	0028 677.05	FA500/TSX57/OMN12/586	0036 619.23	0037 619.24

Type of interface connector	1 Omnicontact 12 points	1 Omnicontact 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector interface	TSX BLY 01	TSX BLY 01

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
	1,5 m					
2 m						
2,5 m						
3 m						
4 m						
5 m						

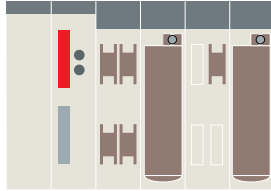
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

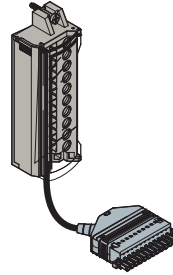
Type of interface connector		
Wire size		
Resistance/capacity cable		
PLC connector interface		

interfast 2

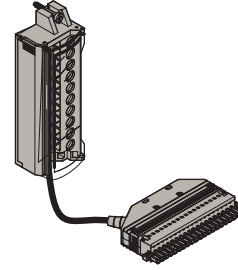
Télémécanique PLC TSX 57-PREMIUM
Swing arm with cable and
Omniconnect connectors



Board 4 I ANA Current / Voltage Board 4 O ANA



Board 4 E ANA RTD



A
3

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 I ANA			Boards 4 I ANA		
TSX AEY 414	0		TSX AEY 414	2	
Boards 4 O ANA					
TSX ASY 410	0				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
	1,5 m	FA150/TSX57/OMN12/560	0036 468.24	0037 468.25	FA150/TSX57/OMN20/561	0036 474.12
2 m	FA200/TSX57/OMN12/560	0036 469.25	0037 469.26	FA200/TSX57/OMN20/561	0036 475.13	0037 475.14
2,5 m						
3 m	FA300/TSX57/OMN12/560	0036 471.17	0037 471.10	FA300/TSX57/OMN20/561	0036 477.15	0037 477.16
4 m						
5 m	FA500/TSX57/OMN12/560	0036 473.11	0037 473.12	FA500/TSX57/OMN20/561	0036 479.27	0037 479.20

Characteristics

Type of interface connector	1 Omnicontact 12 points	1 Omnicontact 12 points
Wire size	0,34mm ² - 22 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector interface	TSX BLY 01	TSX BLY 01

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
	1,5 m					
2 m						
2,5 m						
3 m						
4 m						
5 m						

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

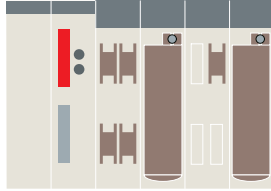
Characteristics

Type of interface connector		
Wire size		
Resistance/capacity cable		
PLC connector interface		

interfast 2



Télemécanique PLC TSX 57-PREMIUM
Swing arm with cable and
Sub D connectors

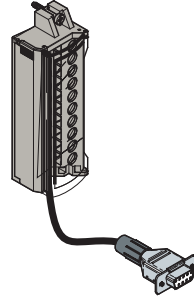


■ Wire markers optional:
Consult us

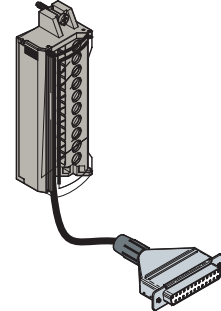
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Board 4 I ANA Current / Voltage



Board 4 I ANA RTD / Current / Voltage



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 I ANA TSX AEY 414	Sub D 9		Boards 4 I ANA TSX AEY 414	Sub D 25	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/TSX57/SubD9/243	0026 606.25	0028 606.07	FA150/TSX57/SubD25/244	0026 612.12	0028 612.24
2 m	FA200/TSX57/SubD9/243	0026 607.26	0028 607.00	FA200/TSX57/SubD25/244	0026 613.13	0028 613.25
2,5 m						
3 m	FA300/TSX57/SubD9/243	0026 609.00	0028 609.12	FA300/TSX57/SubD25/244	0026 615.15	0028 615.27
4 m						
5 m	FA500/TSX57/SubD9/243	0026 611.11	0028 611.23	FA500/TSX57/SubD25/244	0026 617.17	0028 617.21

Characteristics

Type of interface connector	1 Sub D 9 female points	1 Sub D 25 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector interface	TSX BLY 01	TSX BLY 01

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m						
2 m						
2,5 m						
3 m						
4 m						
5 m						

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

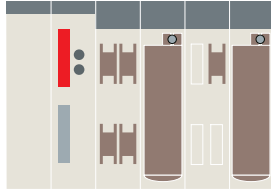
Characteristics

Type of interface connector	
Wire size	
Resistance/capacity cable	
PLC connector interface	

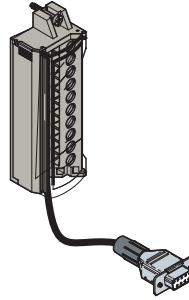
interfast 2



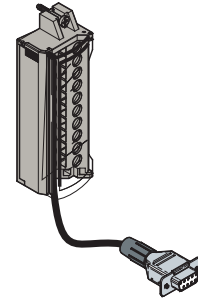
Télemécanique PLC TSX 57-PREMIUM
Swing arm with cable and
Sub D connectors



Board 4 O ANA VOLTAGE



Board 4 O ANA CURRENT



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 O ANA TSX ASY 410	Sub D 9		Boards 4 O ANA TSX ASY 410	Sub D 9	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/TSX57/SubD9/246	0026 624.16	0028 624.20	FA150/TSX57/SubD9/247	0026 630.20	0028 630.02
2 m	FA200/TSX57/SubD9/246	0026 625.17	0028 625.21	FA200/TSX57/SubD9/247	0026 631.15	0028 631.27
2,5 m						
3 m	FA300/TSX57/SubD9/246	0026 627.11	0028 627.23	FA300/TSX57/SubD9/247	0026 633.17	0028 633.21
4 m						
5 m	FA500/TSX57/SubD9/246	0026 629.23	0028 629.05	FA500/TSX57/SubD9/247	0026 635.11	0028 635.23

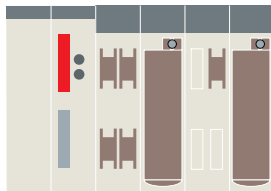
Characteristics

Type of interface connector	1 Sub D 9 female points	1 Sub D 9 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector interface	TSX BLY 01	TSX BLY 01

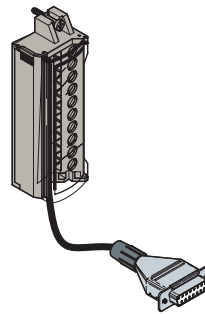
interfast 2



Télemécanique PLC TSX 57-PREMIUM
Swing arm with cable and
Sub D connectors



Board 4 O ANA CURRENT / VOLTAGE



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 O ANA TSX ASY 410	Sub D 15				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/TSX57/SubD15/245	0026 618.20	0028 618.02			
2 m	FA200/TSX57/SubD15/245	0026 619.21	0028 619.03			
2,5 m						
3 m	FA300/TSX57/SubD15/245	0026 621.13	0028 621.25			
4 m						
5 m	FA500/TSX57/SubD15/245	0026 623.15	0028 623.27			

Characteristics

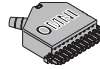
Type of interface connector	1 Sub D 15 female points	
Wire size	0,34mm ² - Shielded 22 AWG	
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	
PLC connector interface	TSX BLY 01	

■ Wire markers optional:
Consult us

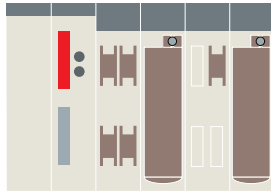
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

interfast 3



Télemécanique PLC TSX 57-PREMIUM PLC board with built-in connector. Cable with HE 10/20 connector to Omniconnect



■ Wire markers optional: Consult us

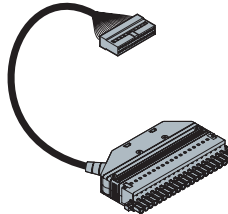
■ Accessories: see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,14mm ² - 26 AWG	0,14mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector interface	1 HE 10/20 points	1 HE 10/20 points

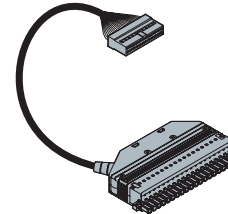
Board 64 I DIGITAL Board 32 I DIGITAL Board 16 I DIGITAL



HE 10/20	OMNI 20
1	2
2	3
3	4
4	5
5	6
6	7
7	8
8	9
9	12
10	13
11	14
12	15
13	16
14	17
15	18
16	19
17	1
18	10
19	11
20	20

- (1) Note : 4 cables per board
- (2) Note : 2 cables per board
- (3) Note : 1 cable per board

Board 64 O DIGITAL Board 32 O DIGITAL Board 16I / 12O DIGIT.



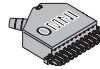
HE 10/20	OMN 20
1	2
2	3
3	4
4	5
5	6
6	7
7	8
8	9
9	12
10	13
11	14
12	15
13	16
14	17
15	18
16	19
17	1
18	10
19	11
20	20

- (1) Note : 4 cables per board
- (2) Note : 2 cables per board
- (3) For 16 I DIGITAL only

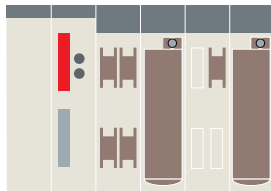
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 64 I DIGITAL			Boards 64 O DIGITAL		
TSX DEY 64D2K (1)	2 3 6 7	16 opto P	TSX DSY 64T2K (1)	2 3 6 7	16 Relays N 16 opto N
Boards 32 I DIGITAL			Boards 32 O DIGITAL		
TSX DEY 32D2K (2)	2 3 6 7	16 opto P	TSX DSY 32T2K (2)	2 3 6 7	16 Relays N 16 opto N
TSX DEY 32D3K (2)	2 6		Boards 16I/12O DIGITAL		
Boards 16 I DIGITAL			TSX DMY 28 FK (2)	2 3 6 7	16 opto P 12 RelaysN
TSX DEY 16FK (3)	2 3	16 opto P	TSX DMY 28 RFK (2)	5 6 3 6 7	16 opto P 12 RelaysN

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LA100/HE10-20/OMN20/661/UL		0039 000.02	LA100/HE10-20/OMN20/661/UL		0039 000.02
1,5 m	LA150/HE10-20/OMN20/661/UL		0039 001.27	LA150/HE10-20/OMN20/661/UL		0039 001.27
2 m	LA200/HE10-20/OMN20/661/UL		0039 002.20	LA200/HE10-20/OMN20/661/UL		0039 002.20
2,5 m						
3 m	LA300/HE10-20/OMN20/661/UL		0039 004.22	LA300/HE10-20/OMN20/661/UL		0039 004.22
4 m						
5 m	LA500/HE10-20/OMN20/661/UL		0039 006.24	LA500/HE10-20/OMN20/661/UL		0039 006.24

interfast 3



Télemécanique PLC TSX 57-PREMIUM PLC board with built-in connector. Cable with HE 10/20 connector with free wires.



■ Wire markers optional: Consult us

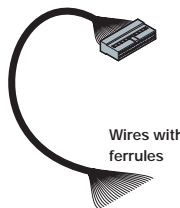
■ Accessories: see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	Free wires with ferrules	Free wires with ferrules
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector interface	1 HE 10/20 points	1 HE 10/20 points

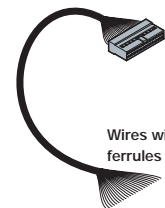
Board 64 I DIGITAL Board 32 I DIGITAL Board 16 I DIGITAL



HE 10/20	Colour
1	White
2	Brown
3	Green
4	Yellow
5	Grey
6	Pink
7	Blue
8	Red
9	Black
10	Violet
11	Grey-Pink
12	Red-Blue
13	White-Green
14	Brown-Green
15	White-Yellow
16	Yellow-Brown
17	White-Grey
18	Grey-Brown
19	White-Pink
20	Pink-Brown

- (1) Note : 4 cables per board
- (2) Note : 2 cables per board
- (3) Note : 1 cable per board

Board 64 O DIGITAL Board 32 O DIGITAL Board 16 I / 12 O DIGITAL



HE 10/20	Colour
1	White
2	Brown
3	Green
4	Yellow
5	Grey
6	Pink
7	Blue
8	Red
9	Black
10	Violet
11	Grey-Pink
12	Red-Blue
13	White-Green
14	Brown-Green
15	White-Yellow
16	Yellow-Brown
17	White-Grey
18	Grey-Brown
19	White-Pink
20	Pink-Brown

- (1) Note : 4 cables per board
- (2) Note : 2 cables per board

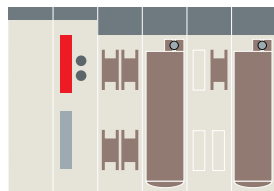
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 64 I DIGITAL			Boards 64 O DIGITAL		
TSX DEY 64D2K (1)			TSX DSY 64T2K (1)		
Boards 32 I DIGITAL			Boards 32 O DIGITAL		
TSX DEY 32D2K (2)			TSX DSY 32T2K (2)		
TSX DEY 32D3K (2)			Boards 16I/12O DIGITAL		
Boards 16 I DIGITAL			TSX DMY 28 FK (2)		
TSX DEY 16FK (3)			TSX DMY 28 RFK (2)		

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LAF100/HE10-20/UNI/662/UL		0039 007.06	LAF100/HE10-20/UNI/662/UL		0039 007.06
1,5 m	LAF150/HE10-20/UNI/662/UL		0039 008.25	LAF150/HE10-20/UNI/662/UL		0039 008.25
2 m	LAF200/HE10-20/UNI/662/UL		0039 009.06	LAF200/HE10-20/UNI/662/UL		0039 009.06
2,5 m						
3 m	LAF300/HE10-20/UNI/662/UL		0039 011.04	LAF300/HE10-20/UNI/662/UL		0039 011.04
4 m						
5 m	LAF500/HE10-20/UNI/662/UL		0039 013.22	LAF500/HE10-20/UNI/662/UL		0039 013.22

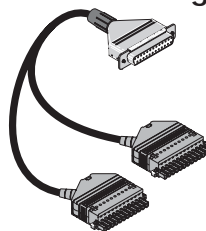
interfast 3



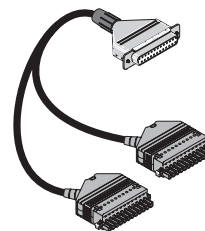
Télemécanique PLC TSX 57-PREMIUM PLC board with built-in connector. Cables with connector to omniconnect



Board 16 I ANA
Board 8 I ANA
Board 8 O ANA
Current / Voltage



Board 8 I ANA
Current / Voltage



(1) Note : 2 cables per PLC board

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I ANA			Boards 8 I ANA		
TSX AEY 1600 (1)	0		TSX AEY 810	0	
Boards 8 I ANA					
TSX AEY 800	0				
Boards 8 O ANA					
TSX ASY 800	0				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/SUBD25M/2xOMN12/578	0036 546.12	0037 546.13	LA150/SUBD25M/2xOMN12/583	0036 586.03	0037 586.04
2 m	LA200/SUBD25M/2xOMN12/578	0036 547.13	0037 547.14	LA200/SUBD25M/2xOMN12/583	0036 587.04	0037 587.05
2,5 m						
3 m	LA300/SUBD25M/2xOMN12/578	0036 549.25	0037 549.26	LA300/SUBD25M/2xOMN12/583	0036 589.16	0037 589.17
4 m						
5 m	LA500/SUBD25M/2xOMN12/578	0036 551.17	0037 551.10	LA500/SUBD25M/2xOMN12/583	0036 591.00	0037 591.01

Wire markers optional: Consult us

Accessories: see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

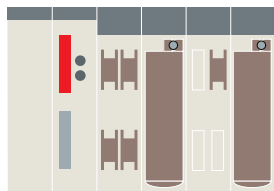
Characteristics

Type of interface connector	2 omniconnect 12 points	2 omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector interface	1 Sub D 25 points male	1 Sub D 25 points male

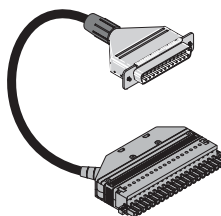
interfast 2



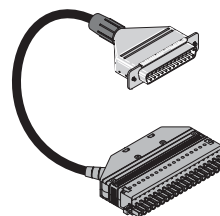
Télemécanique PLC TSX 57-PREMIUM PLC board with built-in connector. Cables with connector to omniconnect



Board 16 I ANA
Board 8 I ANA
Board 8 O ANA
Voltage



Board 16 I ANA
Board 8 I ANA
Board 8 O ANA
Current



(1) Note : 2 cables per PLC board

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I ANA			Boards 16 I ANA		
TSX AEY 1600 (1)	2		TSX AEY 1600 (1)	2	
Boards 8 I ANA			Boards 8 I ANA		
TSX AEY 800	2		TSX AEY 800	2	
TSX AEY 810	2		TSX AEY 810	2	
Boards 8 O ANA			Boards 8 O ANA		
TSX ASY 800	2		TSX ASY 800	2	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/SUBD25M/OMN20/579	0036 620.20	0037 620.21	LA150/SUBD25M/OMN20/580	0036 568.20	0037 568.21
2 m	LA200/SUBD25M/OMN20/579	0036 621.15	0037 621.16	LA200/SUBD25M/OMN20/580	0036 569.21	0037 569.22
2,5 m						
3 m	LA300/SUBD25M/OMN20/579	0036 565.15	0037 565.16	LA300/SUBD25M/OMN20/580	0036 571.13	0037 571.14
4 m						
5 m	LA500/SUBD25M/OMN20/579	0036 567.17	0037 567.10	LA500/SUBD25M/OMN20/580	0036 573.15	0037 573.16

Wire markers optional: Consult us

Accessories: see section on ACCESSORIES

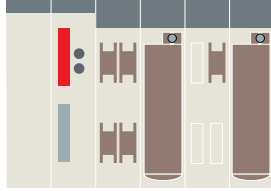
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

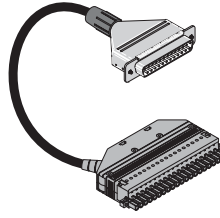
Type of interface connector	1 omniconnect 20 points	1 omniconnect 20 points
Wire size	0,22mm ² -AWG 24	0,22mm ² -AWG 24
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector interface	1 Sub D 25 points male	1 Sub D 25 points male

interfast 3

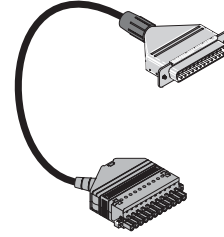
Télemécanique PLC TSX 57-PREMIUM PLC board with built-in connector. Cables with connector to omniconnect



Board 16 I ANA



Board 4 I ANA



(1) Note : 2 cables per PLC board

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I ANA			Boards 4 I ANA		
TSX AEY 1614 (1)	2		TSX AEY 420	0	

■ Wire markers optional: Consult us

■ Accessories: see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/SUBD25M/OMN20/581	0036 574.16	0037 574.17	LA150/TSX57/OMN12/582	0036 580.11	0037 580.12
2 m	LA200/SUBD25M/OMN20/581	0036 575.17	0037 575.10	LA200/TSX57/OMN12/582	0036 581.06	0037 581.07
2,5 m						
3 m	LA300/SUBD25M/OMN20/581	0036 577.11	0037 577.12	LA300/TSX57/OMN12/582	0036 583.00	0037 583.01
4 m						
5 m	LA500/SUBD25M/OMN20/581	0036 579.23	0037 579.24	LA500/TSX57/OMN12/582	0036 585.02	0037 585.03

Characteristics

Type of interface connector	1 omniconnect 20 points	1 omniconnect 12 points
Wire size	0,22mm ² - 24 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector interface	1 Sub D 25 points male	1 Sub D 25 points male

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m						
2 m						
2,5 m						
3 m						
4 m						
5 m						

Characteristics

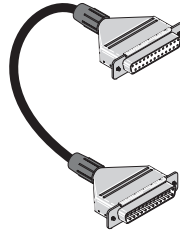
Type of interface connector		
Wire size		
Resistance/capacity cable		
PLC connector interface		

interfast 3

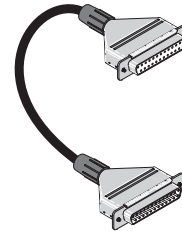
Télémécanique PLC TSX 57-PREMIUM PLC board with built-in connector. Cable with Sub D connector to Sub D



Board 16 I ANA
Board 8 I ANA
Board 8 O ANA

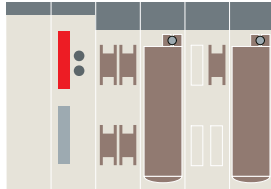


Board 4 E ANA
Current or Voltage Input



(1) Note : 2 cables per PLC board

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I ANA			Boards 4 I ANA		
TSX AEY 1600 (1)	Sub D 25		TSX AEY 420	Sub D 25	
TSX AEY 1614 (1)	Sub D 25				
Boards 8 I ANA					
TSX AEY 800	Sub D 25				
TSX AEY 810	Sub D 25				
Boards 8 O ANA					
TSX ASY 800	Sub D 25				



Wire markers optional: Consult us

Accessories: see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/SubD25M/SubD25F/289	0026 870.21	0028 870.03	LA150/SubD25M/SubD25F/289	0026 870.21	0028 870.03
2 m	LA200/SubD25M/SubD25F/289	0026 871.16	0028 871.20	LA200/SubD25M/SubD25F/289	0026 871.16	0028 871.20
2,5 m						
3 m	LA300/SubD25M/SubD25F/289	0026 873.10	0028 873.22	LA300/SubD25M/SubD25F/289	0026 873.10	0028 873.22
4 m						
5 m	LA500/SubD25M/SubD25F/289	0026 875.12	0028 875.24	LA500/SubD25M/SubD25F/289	0026 875.12	0028 875.24

Characteristics

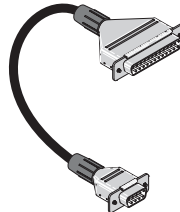
Type of interface connector	1 Sub D 25 female points	1 Sub D 25 points female
Wire size	0.34mm ² - Shielded 22 AWG	0.34mm ² - AWG 22 blindé
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector interface	1 Sub D 25 points mâle	1 Sub D 25 points mâle

interfast 3

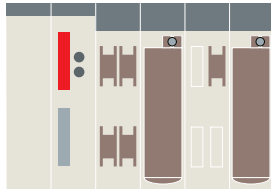
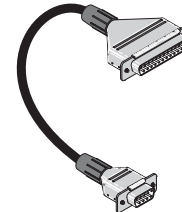
Télémécanique PLC TSX 57-PREMIUM PLC board with built-in connector. Cable with Sub D connector to Sub D



Board 4 E ANA
Current Input



Board 4 E ANA
Voltage Input



Wire markers optional: Consult us

Accessories: see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 E ANA			Boards 4 E ANA		
TSX AEY 420	Sub D 9		TSX AEY 420	Sub D 9	

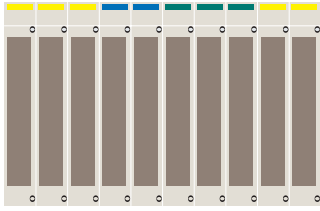
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/SubD25M/SubD9F/479	0029 942.20	0034 942.15	LA150/SubD25M/SubD9F/480	0029 948.06	0034 948.23
2 m	LA200/SubD25M/SubD9F/479	0029 943.21	0034 943.16	LA200/SubD25M/SubD9F/480	0029 949.07	0034 949.24
2,5 m						
3 m	LA300/SubD25M/SubD9F/479	0029 945.23	0034 945.10	LA300/SubD25M/SubD9F/480	0029 951.21	0034 951.16
4 m						
5 m	LA500/SubD25M/SubD9F/479	0029 947.25	0034 947.12	LA500/SubD25M/SubD9F/480	0029 953.23	0034 953.10

Characteristics

Type of interface connector	1 Sub D 9 points female	1 Sub D 9 points female
Wire size	0.34mm ² - Shielded 22 AWG	0.34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector interface	1 Sub D 25 points mâle	1 Sub D 25 points mâle

CONNECTION TECHNOLOGY SELECTION GUIDE

AEG Modicon TSX PLC Quantum



Multipurpose cable

See chapter
"Connection cables"



interfast 2 Swing arm pre-wired by ENTRELEC

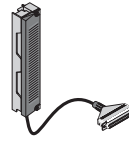
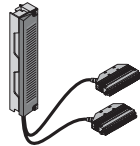
HDI High density range



STI standard range

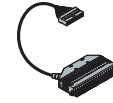


Sub D range Shielded cable



interfast 3 PLC used has a connector on the card

STI range cable

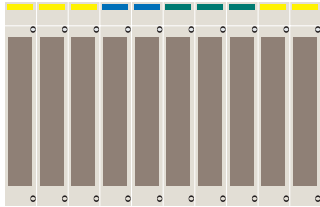


References

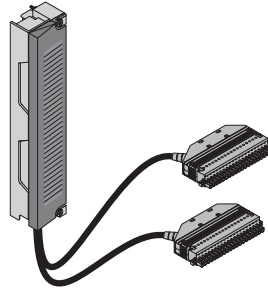
	See page	See page	See page
Boards 96 I DIGITAL			
140 DDI 36400			Page 79
Boards 96 O DIGITAL			
140 DDO 36400			Page 79
Boards 32 I DIGITAL			
140 DAI 55300	Page 72		
140 DDI 35300	Page 72		
140 DDI 85300	Page 72		
140 DDI 15310	Page 72		
140 DAI 35300	Page 72		
140 DAI 45300	Page 72		
140 DDI 35310	Page 72		
140 DAI 75300	Page 72		
140 DSI 35300	Page 72		
Boards 32 O DIGITAL			
140 DDO 35300	Page 72		
140 DDO 35310	Page 72		
140 DAO 85300	Page 72		
140 DDO 15310	Page 72		
140 DVO 85300	Page 72		
Boards 24 I DIGITAL			
140 DDI 67300	Page 73		
Boards 16 I DIGITAL			
140 DAI 54000	Page 73		
140 DAI 74000	Page 73		
140 DDI 84100	Page 73		
140 DAI 54300	Page 73		
140 DAI 34000	Page 73		
140 DAI 44000	Page 73		
Boards 16 I / 8 O DIGITAL			
140 DDM 39000	Page 72		
140 DAM 59000	Page 72		
Boards 16 O DIGITAL			
140 DAO 84000	Page 73		
140 DRA 84000	Page 73		
140 DAO 84010	Page 73		
140 DAO 84210	Page 74		
140 DAO 84220	Page 74		
140 DDO 84300	Page 73		
Boards 12 O DIGITAL			
140 DDO 88500	Page 74		
Boards 8 O DIGITAL			
140 DRC 83000	Page 74		
Boards 16I ANA			
140 ACI 04000	Page 75	Page 77	
Boards 8 I ANA			
140 ACI 03000	Page 75	Page 77	
140 AVI 03000	Page 75	Page 77	
140 ARI 03000	Page 75	Page 77	
140 ARI 03010	Page 75	Page 77	
Boards 8 O ANA			
140 ACO 13000	Page 75	Page 77	
Boards 4 I ANA / 2 O ANA			
140 AMM 09000	Page 76	Page 78	
Boards 4 O ANA			
140 ACO 02000	Page 76	Page 78	
140 AVO 02000	Page 75	Page 78	

interfast 2

TSX PLC Quantum
Swing arm with cable and
Omniconnect connectors

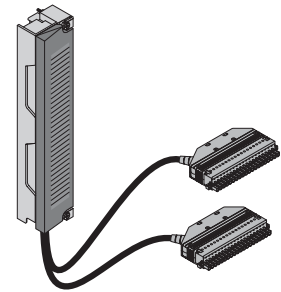


Board 32 I DIGITAL



⁽¹⁾ For 24 VDC only
⁽²⁾ Positive common

Board 32 O DIGITAL



⁽¹⁾ Negative common

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 32 I DIGITAL			Boards 32 O DIGITAL		
140 DAI 55300	2 6		140 DDO 35300	2 3 6 7	16 relays N / 16 opto N
140 DDI 35300	2 3 6 7	16 opto P	140 DDO 35310 ⁽¹⁾	2 3 6 7	16 relays P / 16 opto P
140 DDI 85300	2 3 ⁽¹⁾ 6 7 ⁽¹⁾	16 opto P ⁽¹⁾	140 DAO 85300	2 6	
140 DAI 35300	2 6		140 DDO 15310	2 6	
140 DDI 15310	2 6		140 DVO 85300	2 3 6 7	16 relays N / 16 opto N
140 DAI 45300	2 6				
140 DDI 35310 ⁽²⁾	2 3 6 7	16 opto N			
140 DAI 75300	2 6				
140 DSI 35300	2 3 6 7	16 opto P			

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

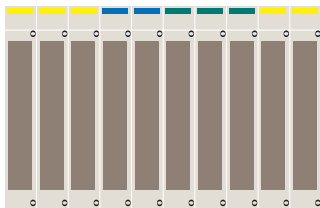
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/Quantum/2xOMN20/001	0029 996.17	0034 996.04	FA100/Quantum/2xOMN20/001	0029 996.17	0034 996.04
1,5 m	FA150/Quantum/2xOMN20/001	0021 526.07	0027 526.05	FA150/Quantum/2xOMN20/001	0021 526.07	0027 526.05
2 m	FA200/Quantum/2xOMN20/001	0021 527.00	0027 527.06	FA200/Quantum/2xOMN20/001	0021 527.00	0027 527.06
2,5 m						
3 m	FA300/Quantum/2xOMN20/001	0021 529.12	0027 529.10	FA300/Quantum/2xOMN20/001	0021 529.12	0027 529.10
4 m						
5 m	FA500/Quantum/2xOMN20/001	0021 531.04	0027 531.02	FA500/Quantum/2xOMN20/001	0021 531.04	0027 531.02

Characteristics

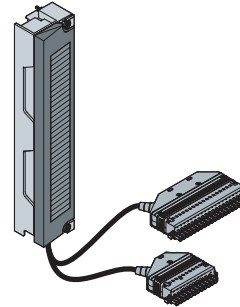
Type of interface connector	2 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	140 XTS 00200	140 XTS 00200

interfast 2

TSX PLC Quantum
Swing arm with cable and
Omniconnect connectors



Board 16 I / 8 O DIGITAL



OUTPUT COMMON BY GROUP OF 4 OUTPUT COMMON BY GROUP OF 8

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16I / 8O DIG.			Boards 16I/8O DIG.		
140 DAM 59000	0 and 2		140 DDM 39000	0 and 2 or 1 and 3	8 relays N/P / 8 opto N/P
140 DDM 39000	0 and 2				

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

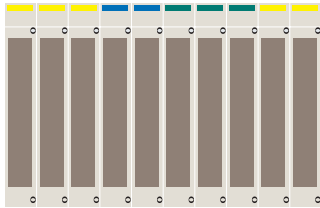
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	FA150/Quantum/OMN12+OMN20/218	0026 444.12	0028 444.24	FA150/Quantum/OMN12+OMN20/219	0026 450.24	0028 450.06
2 m	FA200/Quantum/OMN12+OMN20/218	0026 445.13	0028 445.25	FA200/Quantum/OMN12+OMN20/219	0026 451.11	0028 451.23
2,5 m						
3 m	FA300/Quantum/OMN12+OMN20/218	0026 447.15	0028 447.27	FA300/Quantum/OMN12+OMN20/219	0026 453.13	0028 453.25
4 m						
5 m	FA500/Quantum/OMN12+OMN20/218	0026 449.27	0028 449.01	FA500/Quantum/OMN12+OMN20/219	0026 455.15	0028 455.27

Characteristics

Type of interface connector	1 Omniconnect 12 points + 1 Omniconnect 20 points	1 Omniconnect 12 points + 1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	140 XTS 00200	140 XTS 00200

interfast 2

TSX PLC Quantum
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
Consult us

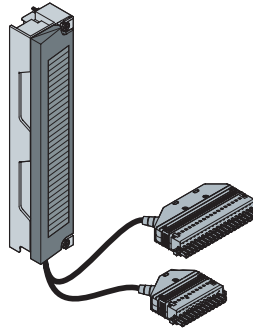
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in bold face type
* Cables UL available only for USA, CANADA, MEXICO

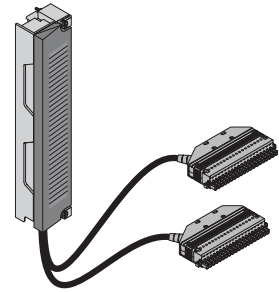
Characteristics

Type of interface connector	1 Omniconnect 20 points + 1 Omniconnect 12 points	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	140 XTS 00200	140 XTS 00200

Board 24 I DIGITAL



Board 16 I DIGITAL

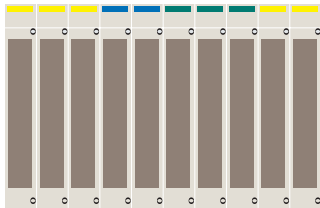


Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 24 I DIGITAL			Boards 16 I DIGITAL		
140 DDI 67300	0 and 2		140 DAI 54000	2 6	
			140 DAI 74000	2 6	
			140 DDI 84100	2 6	
			140 DAI 34000	2 6	
			140 DAI 44000	2 6	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m				FA100/Quantum/2xOMN20/001	0029 996.17	0034 996.04
1,5 m	FA150/Quantum/OMN20+OMN12/414	0029 602.04	0034 602.21	FA150/Quantum/2xOMN20/001	0021 526.07	0027 526.05
2 m	FA200/Quantum/OMN20+OMN12/414	0029 603.05	0034 603.22	FA200/Quantum/2xOMN20/001	0021 527.00	0027 527.06
2,5 m						
3 m	FA300/Quantum/OMN20+OMN12/414	0029 605.07	0034 605.24	FA300/Quantum/2xOMN20/001	0021 529.12	0027 529.10
4 m						
5 m	FA500/Quantum/OMN20+OMN12/414	0029 607.01	0034 607.26	FA500/Quantum/2xOMN20/001	0021 531.04	0027 531.02

interfast 2

TSX PLC Quantum
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
Consult us

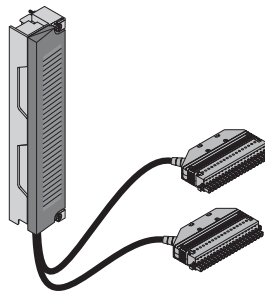
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in bold face type
* Cables UL available only for USA, CANADA, MEXICO

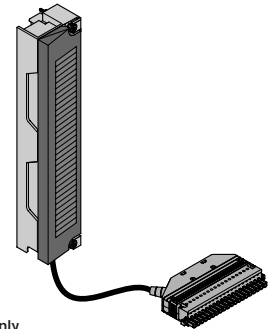
Characteristics

Type of interface connector	2 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	140 XTS 00200	140 XTS 00200

Board 16 O DIGITAL



Board 16 I DIGITAL Board 16 O DIGITAL



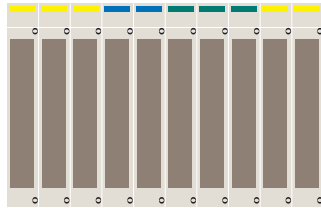
⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGITAL			Boards 16 I DIGITAL		
140 DAO 84000	2 6		140 DAI 54300	2	
140 DAO 84010	2 6		Boards 16 O DIGITAL		
140 DRA 84000	2 6		140 DDO 84300	2 3 ⁽¹⁾	16 relays N ⁽¹⁾ / 16 opto N ⁽¹⁾

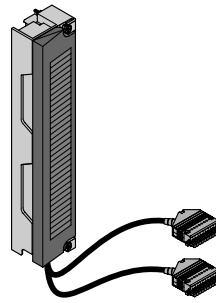
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/Quantum/2xOMN20/001	0029 996.17	0034 996.04			
1,5 m	FA150/Quantum/2xOMN20/001	0021 526.07	0027 526.05	FA150/Quantum/OMN20/003	0021 538.13	0027 538.11
2 m	FA200/Quantum/2xOMN20/001	0021 527.00	0027 527.06	FA200/Quantum/OMN20/003	0021 539.14	0027 539.12
2,5 m						
3 m	FA300/Quantum/2xOMN20/001	0021 529.12	0027 529.10	FA300/Quantum/OMN20/003	0021 541.16	0027 541.14
4 m						
5 m	FA500/Quantum/2xOMN20/001	0021 531.04	0027 531.02	FA500/Quantum/OMN20/003	0021 543.10	0027 543.16

interfast 2

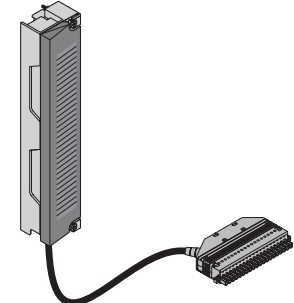
TSX PLC Quantum
Swing arm with cable and
Omniconnect connectors



Board 16 O DIGITAL



Board 12 O DIGITAL



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGITAL			Boards 12 O DIG.		
140 DAO 84210	0 4		140 DDO 88500	2 3 ⁽¹⁾	12 Relays N/P ⁽¹⁾
140 DAO 84220	0 4				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Quantum/2xOMN12/002	0021 532.05	0027 532.03	FA150/Quantum/OMN20/430	0029 666.03	0034 666.20
2 m	FA200/Quantum/2xOMN12/002	0021 533.06	0027 533.04	FA200/Quantum/OMN20/430	0029 667.04	0034 667.21
2,5 m						
3 m	FA300/Quantum/2xOMN12/002	0021 535.00	0027 535.06	FA300/Quantum/OMN20/430	0029 669.16	0034 669.03
4 m						
5 m	FA500/Quantum/2xOMN12/002	0021 537.02	0027 537.00	FA500/Quantum/OMN20/430	0029 671.00	0034 671.25

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

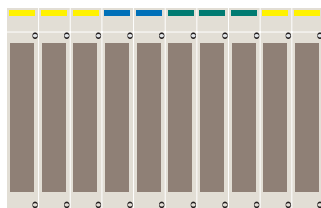
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

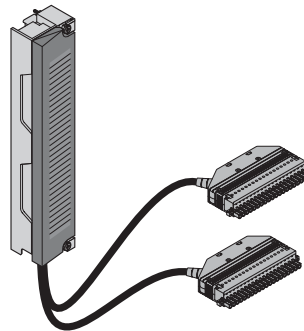
Type of interface connector	2 Omniconnect 12 points	1 Omniconnect 20 points
Wire size	0,34mm ² - 22 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	140 XTS 00200	140 XTS 00200

interfast 2

TSX PLC Quantum
Swing arm with cable and
Omniconnect connectors



Board 8 O DIGITAL



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O DIGITAL					
140 DRC 83000	2 6				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Quantum/2xOMN20/004	0021 544.11	0027 544.17			
2 m	FA200/Quantum/2xOMN20/004	0021 545.12	0027 545.10			
2,5 m						
3 m	FA300/Quantum/2xOMN20/004	0021 547.14	0027 547.12			
4 m						
5 m	FA500/Quantum/2xOMN20/004	0021 549.26	0027 549.24			

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

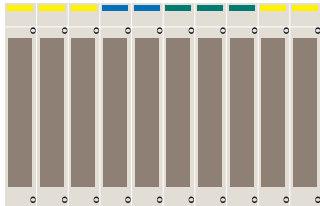
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	2 Omniconnect 20 points	
Wire size	0,22mm ² - 24 AWG	
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	
PLC connector reference	140 XTS 00200	

interfast 2

TSX PLC Quantum
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
Consult us

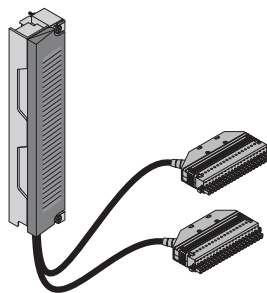
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in bold face type
* Cables UL available only for USA, CANADA, MEXICO

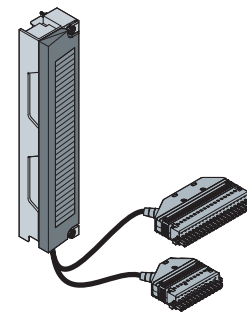
Characteristics

Type of interface connector	2 Omniconnect 20 points	1 omniconnect 20 pts and 1 omniconnect 12 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	140 XTS 00200	140 XTS 00200

Board 16 I ANA



Board 8 I ANA



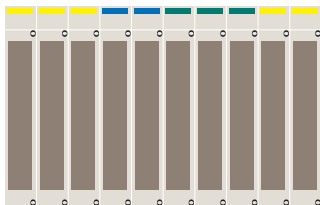
(1) For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I ANA			Boards 8 I ANA		
140 ACI 04000	2 and 16		140 ACI 03000	0 and 2	
			140 AVI 03000	0 and 2	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/Quantum/2xOMN20/001	0029 996.17	0034 996.04			
1,5 m	FA150/Quantum/2xOMN20/001	0021 526.07	0027 526.05	FA150/Quantum/OMN20+OMN12/571	0036 534.06	0037 534.07
2 m	FA200/Quantum/2xOMN20/001	0021 527.00	0027 527.06	FA200/Quantum/OMN20+OMN12/571	0036 535.07	0037 535.00
2,5 m						
3 m	FA300/Quantum/2xOMN20/001	0021 529.12	0027 529.10	FA300/Quantum/OMN20+OMN12/571	0036 537.01	0037 537.02
4 m						
5 m	FA500/Quantum/2xOMN20/001	0021 531.04	0027 531.02	FA500/Quantum/OMN20+OMN12/571	0036 539.13	0037 539.14

interfast 2

TSX PLC Quantum
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
Consult us

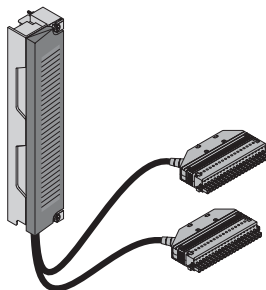
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in bold face type
* Cables UL available only for USA, CANADA, MEXICO

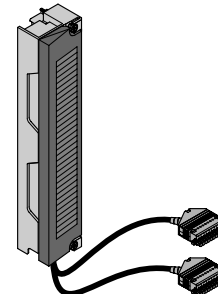
Characteristics

Type of interface connector	2 omniconnect 20 points	2 Omniconnect 12 points
Wire size	0,22mm ² - 24 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	140 XTS 00200	140 XTS 00200

Board 8 I ANA Board 4 O ANA



Board 8 O ANA



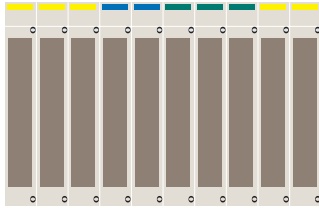
(1) For these references only :
0031 000.22, 0021 020.13, 0032 120.17

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA			Boards 8 O ANA		
140 ARI 03000	2		140 ACO 13000	0 and 4 (1)	
140 ARI 03010	2				
Board 4 O ANA					
140 AVO 02000	2				

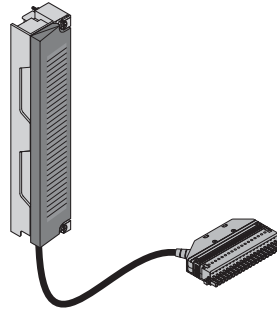
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	FA150/Quantum/2xOMN20/572	0036 540.20	0037 540.21	FA150/Quantum/2xOMN12/585	0036 608.01	0037 608.02
2 m	FA200/Quantum/2xOMN20/572	0036 541.15	0037 541.16	FA200/Quantum/2xOMN12/585	0036 609.02	0037 609.03
2,5 m						
3 m	FA300/Quantum/2xOMN20/572	0036 543.17	0037 543.10	FA300/Quantum/2xOMN12/585	0036 611.13	0037 611.14
4 m						
5 m	FA500/Quantum/2xOMN20/572	0036 545.11	0037 545.12	FA500/Quantum/2xOMN12/585	0036 613.15	0037 613.16

interfast 2

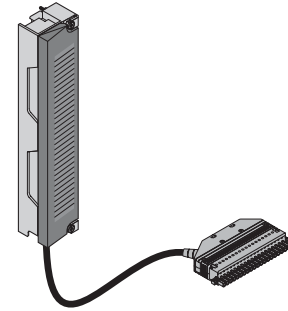
TSX PLC Quantum
Swing arm with cable and
Omniconnect connector.



Board 4 O ANA



Board 4 I / 2 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 O ANA 140 ACO 02000	2		Boards 4 I / 2 O ANA 140 AMM 09000	2	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
	1,5 m	FA150/Quantum/OMN20/570	0036 528.10	0037 528.11	FA150/Quantum/OMN20/663	0038 020.24
2 m	FA200/Quantum/OMN20/570	0036 529.11	0037 529.12	FA200/Quantum/OMN20/663	0038 021.11	0039 021.12
2,5 m						
3 m	FA300/Quantum/OMN20/570	0036 531.03	0037 531.04	FA300/Quantum/OMN20/663	0038 023.13	0039 023.14
4 m						
5 m	FA500/Quantum/OMN20/570	0036 533.05	0037 533.06	FA500/Quantum/OMN20/663	0038 025.15	0039 025.16

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

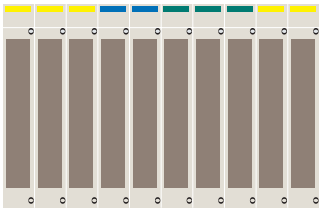
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 22AWG	0,22mm ² - 22AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	140 XTS 00200	140 XTS 00200

interfast 2

TSX PLC Quantum
Swing arm with cable and
Omniconnect connector.



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
	1,5 m					
2 m						
2,5 m						
3 m						
4 m						
5 m						

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

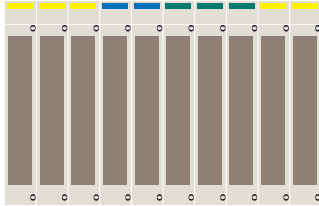
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

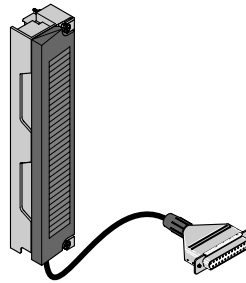
Type of interface connector		
Wire size		
Resistance/capacity cable		
PLC connector reference		

interfast 2

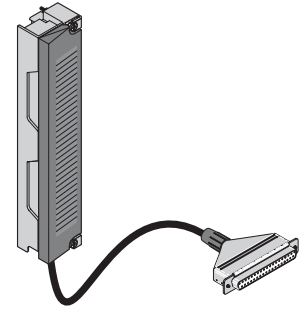
TSX PLC Quantum
Swing arm with cable and
Sub D connector



Board 4 O ANA



Board 4 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 O ANA 140 ACO 02000	Sub D 25		Boards 4 O ANA 140 AVO 02000	SubD 37	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Quantum/SubD 25/007	0021 556.15	0027 556.13	FA150/Quantum/SubD 37/008	0021 562.13	0027 562.11
2 m	FA200/Quantum/SubD 25/007	0021 557.16	0027 557.14	FA200/Quantum/SubD 37/008	0021 563.14	0027 563.12
2,5 m						
3 m	FA300/Quantum/SubD 25/007	0021 559.20	0027 559.26	FA300/Quantum/SubD 37/008	0021 565.16	0027 565.14
4 m						
5 m	FA500/Quantum/SubD 25/007	0021 561.12	0027 561.10	FA500/Quantum/SubD 37/008	0021 567.10	0027 567.16

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

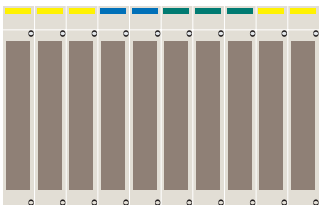
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

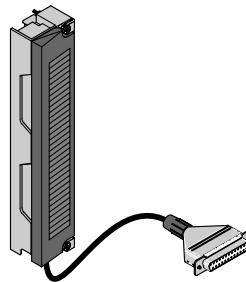
Type of interface connector	1 SubD 25 female points	1 SubD 37 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	140 XTS 00200	140 XTS 00200

interfast 2

TSX PLC Quantum
Swing arm with cable and
Sub D connector



Board 4 I / 2 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 I / 2 O ANA 140 AMM 09000	Sub D 25				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Quantum/SubD 25/664	0038 026.16	0039 026.17			
2 m	FA200/Quantum/SubD 25/664	0038 027.17	0039 027.10			
2,5 m						
3 m	FA300/Quantum/SubD 25/664	0038 029.21	0039 029.22			
4 m						
5 m	FA500/Quantum/SubD 25/664	0038 031.13	0039 031.14			

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

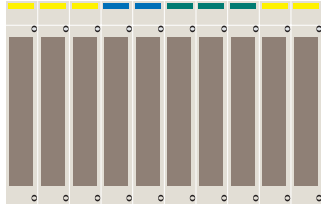
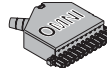
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 SubD 25 female points	
Wire size	0,34mm ² - Shielded 22 AWG	
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	
PLC connector reference	140 XTS 00200	

interfast 3

TSX PLC Quantum
PLC board with built-in
connector. Cable HE 10/20
with Omnicconnect connector.



■ Wire markers optional:
Consult us

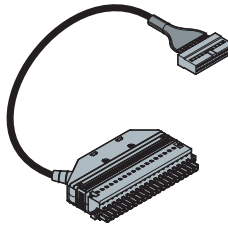
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Omnicconnect 20 points
Wire size	0,14mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM
PLC connector interface	1 HE 10/20 points

Board 96 I DIGITAL Board 96 O DIGITAL



Connector	
HE 10/20	OMN 20
1	2
2	3
3	4
4	5
5	6
6	7
7	8
8	9
9	12
10	13
11	14
12	15
13	16
14	17
15	18
16	19
17	1
18	10
19	11
20	20

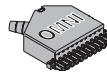
(1) Note : 6 cables per PLC board

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 96 I DIGITAL					
140 DDI 36 400 (1)	2 3 6 7	16 opto P			
Boards 96 O DIGITAL					
140 DDO 36 400 (1)	2 3 6 7	16 Relays N / 16 opto N			

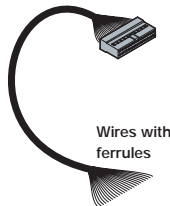
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LA100/HE10-20/OMN20/661/UL		0039 000.02			
1,5 m	LA150/HE10-20/OMN20/661/UL		0039 001.27			
2 m	LA200/HE10-20/OMN20/661/UL		0039 002.20			
2,5 m						
3 m	LA300/HE10-20/OMN20/661/UL		0039 004.22			
4 m						
5 m	LA500/HE10-20/OMN20/661/UL		0039 006.24			

interfast 3

Télemécanique PLC TSX 37-MICRO
PLC board with built-in
connector. Cable HE 10/20
connector with free wires.



Board 96 I DIGITAL Board 96 O DIGITAL



Connector	
HE 10/20	Colour
1	White
2	Brown
3	Green
4	Yellow
5	Grey
6	Pink
7	Blue
8	Red
9	Black
10	Violet
11	Grey-Pink
12	Red-Blue
13	White-Green
14	Brown-Green
15	White-Yellow
16	Yellow-Brown
17	White-Grey
18	Grey-Brown
19	White-Pink
20	Pink-Brown

Type of board	Connector interface	Decoupling interface Input	Decoupling interface Output	Type of board	Connector interface	Decoupling interface
Boards 96 I DIGITAL						
140 DDI 36 400 (1)						
Boards 96 O DIGITAL						
140 DDO 36 400 (1)						

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LAF100/HE10-20/UNI/662/UL		0039 007.06			
1,5 m	LAF150/HE10-20/UNI/662/UL		0039 008.25			
2 m	LAF200/HE10-20/UNI/662/UL		0039 009.06			
2,5 m						
3 m	LAF300/HE10-20/UNI/662/UL		0039 011.04			
4 m						
5 m	LAF500/HE10-20/UNI/662/UL		0039 013.22			

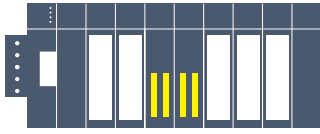
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	Free wires with ferrules
Wire size	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM
PLC connector interface	1 HE 10/20 points

CONNECTION TECHNOLOGY SELECTION GUIDE

GE FANUC PLC 90 - 30
CEGELEC PLC 80 - 35



A
5

Multipurpose cable

See chapter
"Connection cables"



interfast 2
Swing arm pre-wired by ENTRELEC

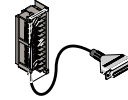
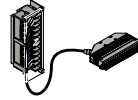
HDI High density range



STI standard range

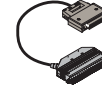


Sub D range Shielded cable



interfast 3
PLC used has a connector on the card

STI range cable



References

	See page	See page	See page
Boards 32 I DIGITAL			
IC 693 MDL 654			Page 90
IC 693 MDL 655			Page 90
Boards 32 O DIGITAL			
IC 693 MDL 752			Page 90
IC 693 MDL 753			Page 90
Boards 16 I DIGITAL			
IC 693 MDL 240	Page 81		
IC 693 MDL 241	Page 81		
IC 693 MDL 645 / 646	Page 81		
Boards 16 O DIGITAL			
IC 693 MDL 340	Page 82		
IC 693 MDL 740 / 741 / 742	Page 82		
IC 693 MDL 940	Page 81		
Boards 8 I / 8 O DIGITAL			
IC 693 MDR 390	Page 82		
Boards 12 O DIGITAL			
IC 693 MDL 310	Page 82		
Boards 8 I DIGITAL			
IC 693 MDL 230 / 231	Page 82		
IC 693 MDL 632	Page 82		
IC 693 MDL 634	Page 83		
Boards 8 O DIGITAL			
IC 693 MDL 330	Page 82		
IC 693 MDL 730 / 731	Page 83		
IC 693 MDL 732 / 733	Page 83		
IC 693 MDL 930 / 931	Page 82		
Boards 6 I DIGITAL			
IC 693 MDL 734	Page 84		
Boards 5 O DIGITAL			
IC 693 MDL 390	Page 83		
Boards 16 I ANA			
IC 693 ALG 222 / 223	Page 85	Page 87	
HE 693 RTD 6XX	Page 86	Page 87	
Boards 16 O ANA			
IC 693 ALG 392	Page 85	Page 87	
Boards 6 I ANA			
HE 693 THM 668	Page 86	Page 87	
Boards 4 I / 2 O ANA			
IC 693 ALG 442	Page 86	Page 87	
Boards 4 I ANA			
IC 693 ALG 220 / 221	Page 86	Page 88	
HE 693 ADC 405 / 410 / 415 / 420	Page 86	Page 88	
HE 693 ADC 406	Page 85	Page 88	
Boards 4 O ANA			
HE 693 DAC 410	Page 86	Page 88	
Boards 2 O ANA			
IC 693 ALG 390	Page 86	Page 88	
IC 693 ALG 391	Page 86	Page 89	
Pulse counter			
IC 693 APU 300		Page 89	

interfast 2



PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Omniconnect connectors

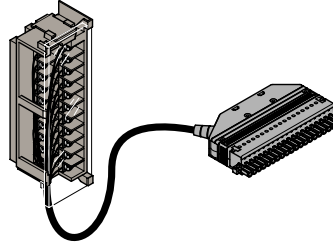


■ Wire markers optional:
Consult us

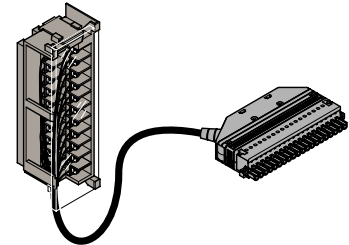
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Board 16 I DIGITAL



Board 16 I DIGITAL



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL			Boards 16 I DIGITAL		
IC 693 MDL 240	2		IC 693 MDL 241	2	
			IC 693 MDL 645	2	
			IC 693 MDL 646	2	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/80-35/OMN20/161	0026 072.10	0028 072.22	FA150/80-35/OMN20/162	0026 078.26	0028 078.00
2 m	FA200/80-35/OMN20/161	0026 073.11	0028 073.23	FA200/80-35/OMN20/162	0026 079.27	0028 079.01
2,5 m						
3 m	FA300/80-35/OMN20/161	0026 075.13	0028 075.25	FA300/80-35/OMN20/162	0026 081.02	0028 081.14
4 m						
5 m	FA500/80-35/OMN20/161	0026 077.15	0028 077.27	FA500/80-35/OMN20/162	0026 083.04	0028 083.16

Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A	IC 693 ACC 311 A

interfast 2



PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Omniconnect connectors

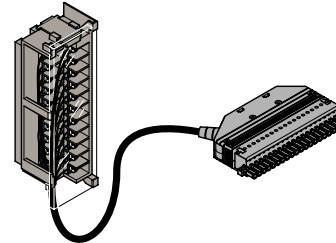


■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Board 16 O DIGITAL



WITH CONNECTOR
INTERFACE
COMMON BY GROUP OF 4

WITH DECOUPLING
INTERFACE
COMMON BY GROUP OF 8

(1) For 24 VDC only

(1) For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGITAL			Boards 16 O DIGITAL		
IC 693 MDL 940	2		IC 693 MDL 940	2 3 (1)	16 relays N/P(1) / 16 opto N/P(1)

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/80-35/OMN20/406	0029 554.23	0034 554.10	FA150/80-35/OMN20/407	0029 560.05	0034 560.22
2 m	FA200/80-35/OMN20/406	0029 555.24	0034 555.11	FA200/80-35/OMN20/407	0029 561.22	0034 561.17
2,5 m						
3 m	FA300/80-35/OMN20/406	0029 557.26	0034 557.13	FA300/80-35/OMN20/407	0029 563.24	0034 563.11
4 m						
5 m	FA500/80-35/OMN20/406	0029 559.00	0034 559.25	FA500/80-35/OMN20/407	0029 565.26	0034 565.13

Characteristics

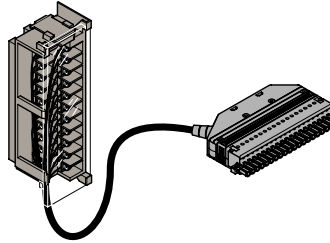
Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A	IC 693 ACC 311 A

interfast 2

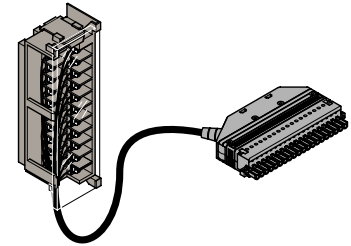
PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Omniconnect connectors



Board 16 O DIGITAL



Board 16 O DIGITAL Board 12 O DIGITAL



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGITAL			Boards 16 O DIGITAL		
IC 693 MDL 741	2	16 Relays N ⁽¹⁾ / 16 Opto N ⁽¹⁾	IC 693 MDL 340	2	
IC 693 MDL 742	2 3	16 Relays N ⁽¹⁾ / 16 Opto N ⁽¹⁾	Boards 12 O DIGITAL		
IC 693 MDL 740	2 3	16 Relays N ⁽¹⁾ / 16 Opto N ⁽¹⁾	IC 693 MDL 310	2	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/80-35/OMN20/164	0026 090.17	0028 090.21	FA150/80-35/OMN20/165	0026 096.01	0028 096.13
2 m	FA200/80-35/OMN20/164	0026 091.04	0028 091.16	FA200/80-35/OMN20/165	0026 097.02	0028 097.14
2,5 m						
3 m	FA300/80-35/OMN20/164	0026 093.06	0028 093.10	FA300/80-35/OMN20/165	0026 099.14	0028 099.26
4 m						
5 m	FA500/80-35/OMN20/164	0026 095.00	0028 095.12	FA500/80-35/OMN20/165	0026 101.13	0028 101.25

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

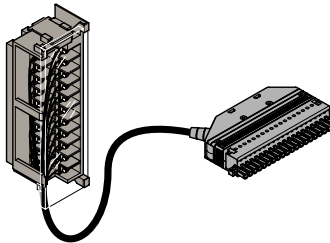
Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A	IC 693 ACC 311 A

interfast 2

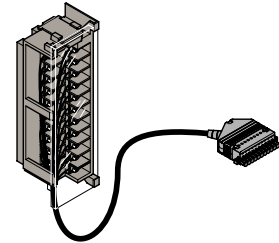
PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Omniconnect connectors



Board 8 I DIGITAL Board 8 O DIGITAL Board 8 I DIGITAL / 8 O DIGITAL



Board 8 I DIGITAL Board 8 O DIGITAL



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I DIGITAL			Boards 8 I DIGITAL		
IC 693 MDL 230	2		IC 693 MDL 632	0	
IC 693 MDL 231	2		Boards 8 O DIGITAL		
Boards 8 O DIGITAL			IC 693 MDL 330	0	
IC 693 MDL 930	2				
IC 693 MDL 931	2				
Boards 8 I DIG. / 8 O DIG.					
IC 693 MDR 390	2				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/80-35/OMN20/164	0026 090.17	0028 090.21	FA150/80-35/OMN12/167	0026 108.22	0028 108.04
2 m	FA200/80-35/OMN20/164	0026 091.04	0028 091.16	FA200/80-35/OMN12/167	0026 109.23	0028 109.05
2,5 m						
3 m	FA300/80-35/OMN20/164	0026 093.06	0028 093.10	FA300/80-35/OMN12/167	0026 111.04	0028 111.16
4 m						
5 m	FA500/80-35/OMN20/164	0026 095.00	0028 095.12	FA500/80-35/OMN12/167	0026 113.06	0028 113.10

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 12 points
Wire size	0,22mm ² - 24 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A	IC 693 ACC 311 A

interfast 2

PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Omniconnect connectors

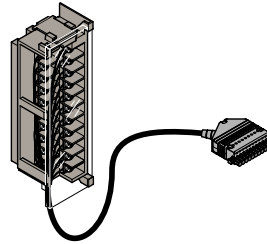


■ Wire markers optional:
Consult us

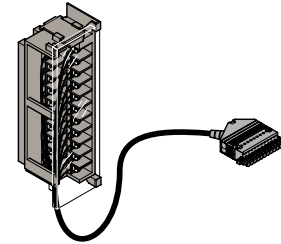
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Board 8 I DIGITAL



Board 8 O DIGITAL



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I DIGITAL			Boards 8 O DIGITAL		
IC 693 MDL 634			IC 693 MDL 730	⁽¹⁾	8 Relays N ⁽¹⁾ / 8 Opto N ⁽¹⁾
			IC 693 MDL 731		8 Relays N/P ⁽¹⁾ / 8 Opto N/P ⁽¹⁾

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/80-35/OMN12/166	0026 102.14	0028 102.26	FA150/80-35/OMN12/168	0026 114.07	0028 114.11
2 m	FA200/80-35/OMN12/166	0026 103.15	0028 103.27	FA200/80-35/OMN12/168	0026 115.00	0028 115.12
2,5 m						
3 m	FA300/80-35/OMN12/166	0026 105.17	0028 105.21	FA300/80-35/OMN12/168	0026 117.02	0028 117.14
4 m						
5 m	FA500/80-35/OMN12/166	0026 107.11	0028 107.23	FA500/80-35/OMN12/168	0026 119.14	0028 119.26

Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A	IC 693 ACC 311 A

interfast 2

PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Omniconnect connectors

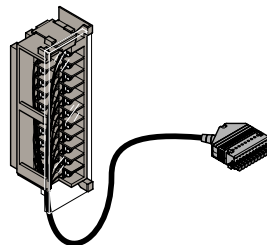


■ Wire markers optional:
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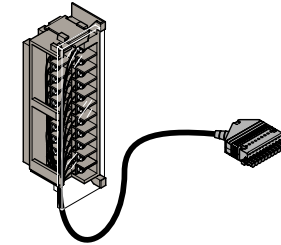
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Board 8 O DIGITAL



Board 5 O DIGITAL



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O DIGITAL			Boards 5 O DIGITAL		
IC 693 MDL 732	⁽¹⁾	8 Relays N ⁽¹⁾ / 8 Opto N ⁽¹⁾	IC 693 MDL 390		
IC 693 MDL 733		8 Relays N/P ⁽¹⁾ / 8 Opto N/P ⁽¹⁾			

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/80-35/OMN12/169	0026 120.11	0028 120.23	FA150/80-35/OMN12/170	0026 126.03	0028 126.15
2 m	FA200/80-35/OMN12/169	0026 121.06	0028 121.10	FA200/80-35/OMN12/170	0026 127.04	0028 127.16
2,5 m						
3 m	FA300/80-35/OMN12/169	0026 123.00	0028 123.12	FA300/80-35/OMN12/170	0026 129.16	0028 129.20
4 m						
5 m	FA500/80-35/OMN12/169	0026 125.02	0028 125.14	FA500/80-35/OMN12/170	0026 131.00	0028 131.12

Characteristics

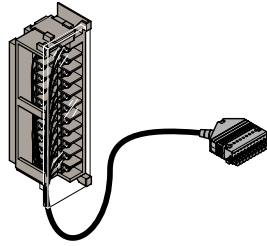
Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A	IC 693 ACC 311 A

interfast 2

PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Omniconnect connectors



Board 6 I DIGITAL



A
5

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 6 I DIGITAL					
IC 693 MDL 734	IC				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/80-35/OMN12/631	0036 849.22	0037 849.23			
2 m	FA200/80-35/OMN12/631	0036 850.27	0037 850.20			
2,5 m						
3 m	FA300/80-35/OMN12/631	0036 852.15	0037 852.16			
4 m						
5 m	FA500/80-35/OMN12/631	0036 854.17	0037 854.10			

Characteristics

Type of interface connector	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m						
2 m						
2,5 m						
3 m						
4 m						
5 m						

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	
Wire size	
Resistance/capacity cable	
PLC connector reference	

interfast 2

PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Omniconnect connectors

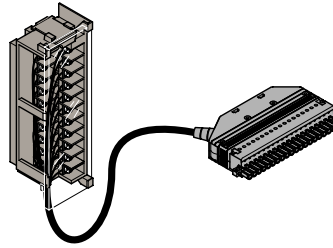


■ Wire markers optional:
Consult us

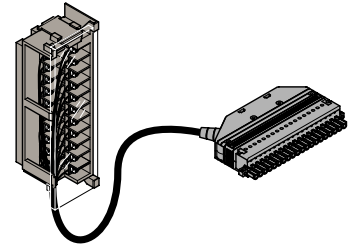
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Board 16 I ANA
Board 16 O ANA
Board 6 I ANA



Board 16 S ANA
VOLTAGE



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I ANA			Boards 16 S ANA		
IC 693 ALG 223	2		IC 693 ALG 392	2	
IC 693 ALG 222	2				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/80-35/OMN20/595	0036 624.10	0037 624.11	FA150/80-35/OMN20/162	0026 078.26	0028 078.00
2 m	FA200/80-35/OMN20/595	0036 625.11	0037 625.12	FA200/80-35/OMN20/162	0026 079.27	0028 079.01
2,5 m						
3 m	FA300/80-35/OMN20/595	0036 627.13	0037 627.14	FA300/80-35/OMN20/162	0026 081.02	0028 081.14
4 m						
5 m	FA500/80-35/OMN20/595	0036 629.25	0037 629.26	FA500/80-35/OMN20/162	0026 083.04	0028 083.16

Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A	IC 693 ACC 311 A

interfast 2

PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Omniconnect connectors

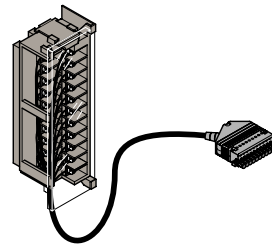


■ Wire markers optional:
Consult us

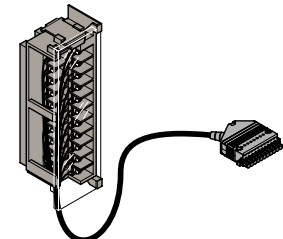
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Board 16 S ANA
VOLTAGE



Boards 16 O ANA
CURRENT
Boards 4 I ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 S ANA			Boards 16 O ANA		
IC 693 ALG 392	0		IC 693 ALG 392	0	
			Boards 4 I ANA		
			HE 693 ADC 406	0	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/80-35/OMN12/503	0036 126.05	0037 126.06	FA150/80-35/OMN12/501	0036 114.01	0037 114.02
2 m	FA200/80-35/OMN12/503	0036 127.06	0037 127.07	FA200/80-35/OMN12/501	0036 115.02	0037 115.03
2,5 m						
3 m	FA300/80-35/OMN12/503	0036 129.10	0037 129.11	FA300/80-35/OMN12/501	0036 117.04	0037 117.05
4 m						
5 m	FA500/80-35/OMN12/503	0036 131.02	0037 131.03	FA500/80-35/OMN12/501	0036 119.16	0037 119.17

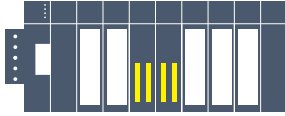
Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A	IC 693 ACC 311 A

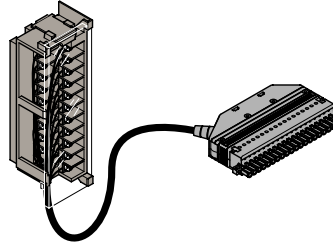
interfast 2



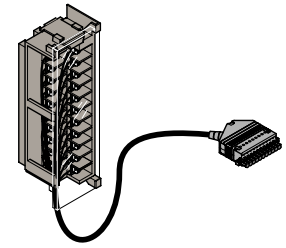
PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Omniconnect connectors



Board 6 I ANA



Board 4 I ANA Board 4 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 6 I ANA			Boards 4 I ANA		
HE 693 RTD 6XX			HE 693 ADC 405		
HE 693 THM 668			HE 693 ADC 410		
			HE 693 ADC 415		
			HE 693 ADC 420		
			Boards 4 O ANA		
			HE 693 DAC 410		

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/80-35/OMN20/164	0026 090.17	0028 090.21	FA150/80-35/OMN12/502	0036 120.13	0037 120.14
2 m	FA200/80-35/OMN20/164	0026 091.04	0028 091.16	FA200/80-35/OMN12/502	0036 121.00	0037 121.01
2,5 m						
3 m	FA300/80-35/OMN20/164	0026 093.06	0028 093.10	FA300/80-35/OMN12/502	0036 123.02	0037 123.03
4 m						
5 m	FA500/80-35/OMN20/164	0026 095.00	0028 095.12	FA500/80-35/OMN12/502	0036 125.04	0037 125.05

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

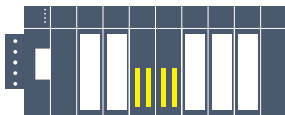
Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 12 points
Wire size	0,22mm ² - 24 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A	IC 693 ACC 311 A

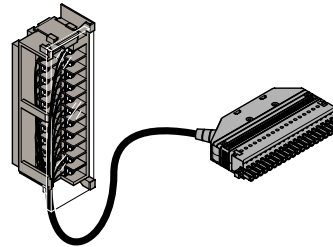
interfast 2



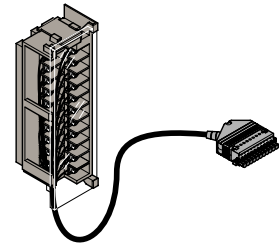
PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Omniconnect connectors



Board 4 I / 2 O ANA Board 4 I ANA Board 2 O ANA



Board 2 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4I/2O ANA			Boards 2 O ANA		
IC 693 ALG 442			IC 693 ALG 390		
Boards 4 I ANA					
IC 693 ALG 220					
IC 693 ALG 221					
Boards 2 O ANA					
IC 693 ALG 391					

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/80-35/OMN20/164	0026 090.17	0028 090.21	FA150/80-35/OMN12/502	0036 120.13	0037 120.14
2 m	FA200/80-35/OMN20/164	0026 091.04	0028 091.16	FA200/80-35/OMN12/502	0036 121.00	0037 121.01
2,5 m						
3 m	FA300/80-35/OMN20/164	0026 093.06	0028 093.10	FA300/80-35/OMN12/502	0036 123.02	0037 123.03
4 m						
5 m	FA500/80-35/OMN20/164	0026 095.00	0028 095.12	FA500/80-35/OMN12/502	0036 125.04	0037 125.05

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

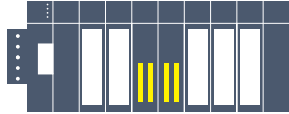
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

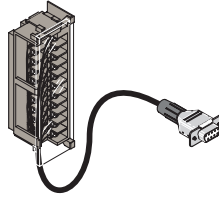
Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 12 points
Wire size	0,22mm ² - 24 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A	IC 693 ACC 311 A

interfast 2

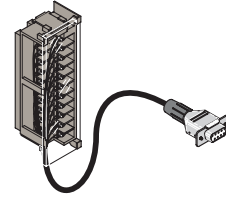
PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Sub D connectors



Board 4 I ANA Board 4 O ANA



Board 4 I ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 I ANA			Boards 4 I ANA		
HE 693 ADC 405	Sub D 9		HE 693 ADC 406	Sub D 9	
HE 693 ADC 410	Sub D 9				
HE 693 ADC 415	Sub D 9				
HE 693 ADC 420	Sub D 9				
Boards 4 O ANA					
HE 693 DAC 410	Sub D 9				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/80-35/SubD9/235	0026 558.24	0028 558.06	FA150/80-35/SubD9/236	0026 564.12	0028 564.24
2 m	FA200/80-35/SubD9/235	0026 559.25	0028 559.07	FA200/80-35/SubD9/236	0026 565.13	0028 565.25
2,5 m						
3 m	FA300/80-35/SubD9/235	0026 561.17	0028 561.21	FA300/80-35/SubD9/236	0026 567.15	0028 567.27
4 m						
5 m	FA500/80-35/SubD9/235	0026 563.11	0028 563.23	FA500/80-35/SubD9/236	0026 569.27	0028 569.01

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

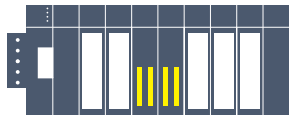
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

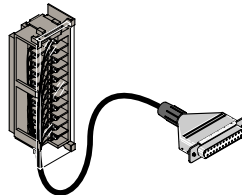
Type of interface connector	1 Sub D 9 female points	1 Sub D 9 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A	IC 693 ACC 311 A

interfast 2

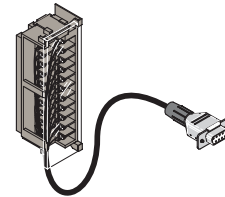
PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Sub D connectors



Board 4 I ANA



Board 2 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 I ANA			Boards 2 O ANA		
IC 693 ALG 220	Sub D 25		IC 693 ALG 390	Sub D 9	
IC 693 ALG 221	Sub D 25				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/80-35/SubD25/156	0026 042.12	0028 042.24	FA150/80-35/SubD9/158	0026 054.16	0028 054.20
2 m	FA200/80-35/SubD25/156	0026 043.13	0028 043.25	FA200/80-35/SubD9/158	0026 055.17	0028 055.21
2,5 m						
3 m	FA300/80-35/SubD25/156	0026 045.15	0028 045.27	FA300/80-35/SubD9/158	0026 057.11	0028 057.23
4 m						
5 m	FA500/80-35/SubD25/156	0026 047.17	0028 047.21	FA500/80-35/SubD9/158	0026 059.23	0028 059.05

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

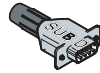
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

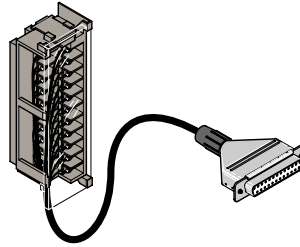
Type of interface connector	1 Sub D 25 female points	1 Sub D 9 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A	IC 693 ACC 311 A

interfast 2

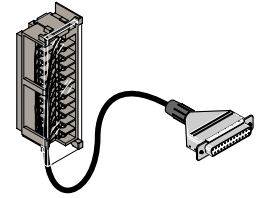
PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Sub D connectors



Board 12 I / 4 O DIGITAL (Pulse Counter)



Board 2 O ANA



■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 12I/4O DIGITAL IC 693 APU 300	Sub D 25		Boards 2 O ANA IC 693 ALG 391	Sub D 25	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/80-35/SubD25/177	0026 210.23	0028 210.05	FA150/80-35/SubD25/157	0026 048.20	0028 048.02
2 m	FA200/80-35/SubD25/177	0026 211.10	0028 211.22	FA200/80-35/SubD25/157	0026 049.21	0028 049.03
2,5 m						
3 m	FA300/80-35/SubD25/177	0026 213.12	0028 213.24	FA300/80-35/SubD25/157	0026 051.13	0028 051.25
4 m						
5 m	FA500/80-35/SubD25/177	0026 215.14	0028 215.26	FA500/80-35/SubD25/157	0026 053.15	0028 053.27

Characteristics

Type of interface connector	1 Sub D 25 female points	1 Sub D 25 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A	IC 693 ACC 311 A

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m						
2 m						
2,5 m						
3 m						
4 m						
5 m						

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

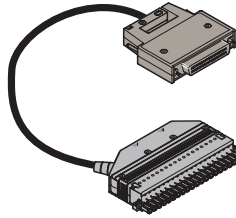
Type of interface connector		
Wire size		
Resistance/capacity cable		
PLC connector reference		

interfast 3

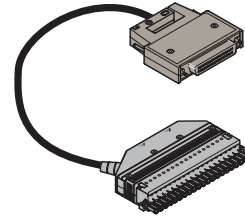
PLC GE FANUC 90-30
CEGELEC 80-35
PLC board with built-in
connector. Cable with
Omniconnect connector



Board 32 I DIGITAL



Board 32 I DIGITAL Board 32 O DIGITAL



⁽¹⁾ Following references only :
0021 021.00, 0031 001.17, 0032 003.12
Note : 2 cables per PLC board

⁽¹⁾ Supply for sensors is not run up to our interfaces.
⁽²⁾ For 24 VDC only
Note : 2 cables per PLC board

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 32 I DIGITAL			Boards 32 I DIGITAL		
IC 693 MDL 654	2 6 ⁽¹⁾		IC 693 MDL 655 ⁽¹⁾	2 3 6 7	16 opto N/P
IC 693 MDL 655	2 6 ⁽¹⁾		Boards 32 O DIGITAL		
			IC 693 MDL 753	2 3 6 7 ⁽²⁾	16 Relays N ⁽²⁾ / 16 opto N ⁽²⁾

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/FUJITSU/OMN20/171/UL		0037 552.11	FA100/FUJITSU/OMN20/173/UL		0037 553.12
1,5 m	FA150/FUJITSU/OMN20/171/UL		0028 132.13	FA150/FUJITSU/OMN20/173/UL		0028 144.27
2 m	FA200/FUJITSU/OMN20/171/UL		0028 133.14	FA200/FUJITSU/OMN20/173/UL		0028 145.20
2,5 m						
3 m	FA300/FUJITSU/OMN20/171/UL		0028 135.16	FA300/FUJITSU/OMN20/173/UL		0028 147.22
4 m						
5 m	FA500/FUJITSU/OMN20/171/UL		0028 137.10	FA500/FUJITSU/OMN20/173/UL		0028 149.04

Characteristics

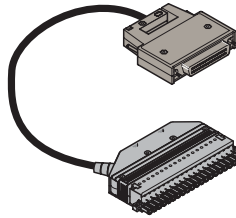
Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,14mm ² - 26 AWG	0,14mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	FUJITSU FCN-365P024-AU	FUJITSU FCN-365P024-AU

interfast 3

PLC GE FANUC 90-30
CEGELEC 80-35
PLC board with built-in
connector. Cable with
Omniconnect connector



Board 32 O DIGITAL



⁽¹⁾ For 24 VDC only
Note : 2 cables per PLC board

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 32 O DIGIT.			Boards 32 O DIGIT.		
IC 693 MDL 752	2 6	16 Relays N/P ⁽¹⁾ / 16 opto N/P ⁽¹⁾			

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/FUJITSU/OMN20/172/UL		0028 138.21			
2 m	FA200/FUJITSU/OMN20/172/UL		0028 139.22			
2,5 m						
3 m	FA300/FUJITSU/OMN20/172/UL		0028 141.24			
4 m						
5 m	FA500/FUJITSU/OMN20/172/UL		0028 143.26			

Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,14mm ² - 26 AWG	0,14mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	FUJITSU FCN-365P024-AU	FUJITSU FCN-365P024-AU

interfast 2

Swing arm pre-wired by ENTRELEC

interfast 3

PLC used has a connector on the card



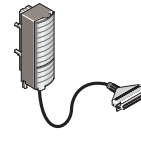
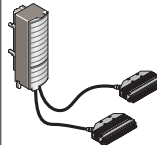
HDI High density range



STI standard range

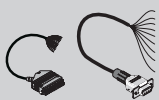


Sub D range Shielded cable



Multipurpose cable

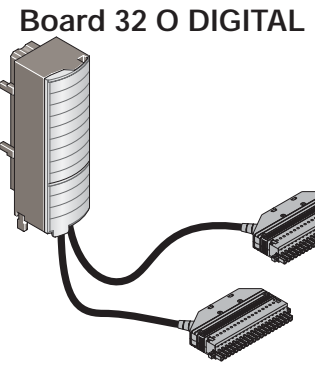
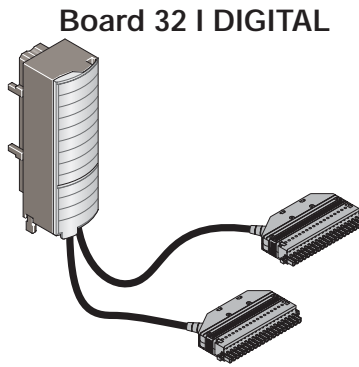
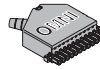
See chapter "Connection cables"



References	See page	See page			
Boards 32 I DIGITAL					
1756 - IB 32	Page 92				
1756 - IV 32	Page 92				
Boards 32 O DIGITAL					
1756 - OB 32	Page 92				
Boards 16 I DIGITAL					
1756 - IA 16I	Page 93				
1756 - IB 16I	Page 93				
1756 - IH 16I	Page 93				
1756 - IM 16I	Page 93				
1756 - IB 16D	Page 92				
1756 - IA 16	Page 93				
1756 - IB 16	Page 93				
1756 - IC 16	Page 93				
1756 - IN 16	Page 93				
1756 - IV 16	Page 93				
Boards 16 O DIGITAL					
1756 - OA 16I	Page 93				
1756 - OB 16I	Page 93				
1756 - OB 16IS	Page 93				
1756 - ON 16I	Page 93				
1756 - OB 16D	Page 93				
1756 - OA 16	Page 94				
1756 - OB 16E	Page 94				
1756 - OW 16I	Page 93				
1756 - OV 16E	Page 94				
Boards 8 I DIGITAL					
1756 - IA 8D	Page 94				
Boards 8 O DIGITAL					
1756 - OX 8I	Page 93				
1756 - OB 8EI	Page 94				
1756 - OA 8EI					
1756 - OH 8EI	Page 93				
1756 - OA 8	Page 95				
1756 - OB 8	Page 95				
1756 - OC 8	Page 95				
1756 - ON 8	Page 95				
1756 - OA 8D	Page 94				
1756 - OA 8E	Page 94				
Boards 16 I ANA					
1756 - IF 16	Page 96	Page 98			
Boards 8 I ANA					
1756 - IF 8	Page 96	Page 98			
Boards 8 O ANA					
1756 - OF 8	Page 96	Page 98			
Boards 6 I ANA					
1756 - IF 6I	Page 96	Page 98			
1756 - IR 6I	Page 96	Page 98			
1756 - IF6 CIS	Page 96	Page 98			
Boards 6 O ANA					
1756 - OF 6CI	Page 96	Page 98			
1756 - OF 6VI	Page 96	Page 99			
Boards 4 O ANA					
1756 - OF 4	Page 97	Page 99			
Boards 4 I / 2 O ANA					
1756 - IF 4 FXO F2 F	Page 97	Page 99			

interfast 2

Allen Bradley® PLC
Control Logix
Swing arm with cable and
Omniconnect connectors



⁽¹⁾ For 24 VDC only

⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 32 I DIGITAL			Boards 32 O DIGITAL		
1756 - IB 32	2 3 (1) 6 7 (1)	16 opto P ⁽¹⁾	1756 - OB 32	2 3 (1) 6 7 (1)	16 relays N ⁽¹⁾ / 16 opto N ⁽¹⁾
1756 - IV 32	2 3 4 7	16 opto N/P ⁽¹⁾			

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

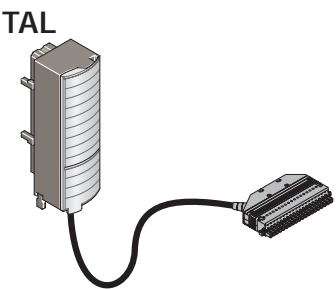
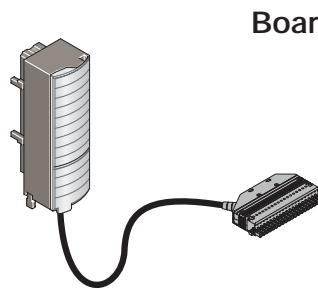
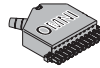
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Control Logix/2xOMN20/443	0029 732.25	0034 732.12	FA150/Control Logix/2xOMN20/444	0029 726.27	0034 726.14
2 m	FA200/Control Logix/2xOMN20/443	0029 733.26	0034 733.13	FA200/Control Logix/2xOMN20/444	0029 727.20	0034 727.15
2,5 m						
3 m	FA300/Control Logix/2xOMN20/443	0029 735.20	0034 735.15	FA300/Control Logix/2xOMN20/444	0029 729.02	0034 729.27
4 m						
5 m	FA500/Control Logix/2xOMN20/443	0029 737.22	0034 737.17	FA500/Control Logix/2xOMN20/444	0029 731.24	0034 731.11

Characteristics

Type of interface connector	2 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	1756 - TB CH	1756 - TB CH

interfast 2

Allen Bradley® PLC
Control Logix
Swing arm with cable and
Omniconnect connectors



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL			Boards 16 I DIGITAL		
1756 - IB 16D	2		1756 - IB 16D	2 3 (1)	16 opto P ⁽¹⁾

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/CONTROL LOGIX/OMN20/445	0029 756.05	0034 756.22	FA150/CONTROL LOGIX/OMN20/446	0029 762.03	0034 762.20
2 m	FA200/CONTROL LOGIX/OMN20/445	0029 757.06	0034 757.23	FA200/CONTROL LOGIX/OMN20/446	0029 763.04	0034 763.21
2,5 m						
3 m	FA300/CONTROL LOGIX/OMN20/445	0029 759.10	0034 759.05	FA300/CONTROL LOGIX/OMN20/446	0029 765.06	0034 765.23
4 m						
5 m	FA500/CONTROL LOGIX/OMN20/445	0029 761.02	0034 761.27	FA500/CONTROL LOGIX/OMN20/446	0029 767.00	0034 767.25

Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	1756 - TB CH	1756 - TB CH

interfast 2

Allen Bradley PLC
Control Logix
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
Consult us

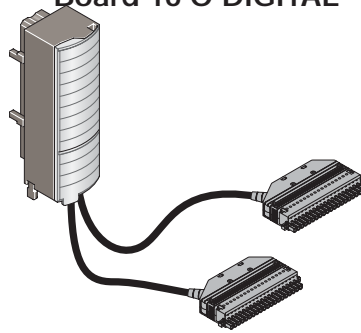
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

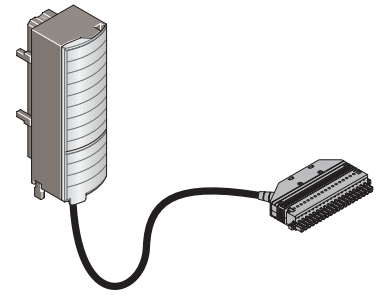
Characteristics

Type of interface connector	2 Omniconnect 20 points			1 Omniconnect 20 points		
Wire size	0,22mm ² - 24 AWG			0,22mm ² - 24 AWG		
Resistance/capacity cable	80 Ω/KM - 120 nF/KM			80 Ω/KM - 120 nF/KM		
PLC connector reference	1756 - TB CH			1756 - TB NH		

Board 16 I DIGITAL Board 16 O DIGITAL



Board 16 I DIGITAL



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL			Boards 16 I DIGITAL		
1756 - IA 16I	2 6		1756 - IA 16	2	
1756 - IB 16I	2 6		1756 - IB 16	2 3 ⁽¹⁾	16 opto P ⁽¹⁾
1756 - IH 16I	2 6		1756 - IC 16	2	
1756 - IM 16I	2 6		1756 - IN 16	2	
Boards 16 O DIGITAL			1756 - IV 16	2 3	16 opto N/P
1756 - OB 16 IS	2 6				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Control Logix/2xOMN20/458	0029 738.03	0034 738.20	FA150/Control Logix/OMN20/452	0029 798.00	0034 798.25
2 m	FA200/Control Logix/2xOMN20/458	0029 739.04	0034 739.21	FA200/Control Logix/OMN20/452	0029 799.01	0034 799.26
2,5 m						
3 m	FA300/Control Logix/2xOMN20/458	0029 741.06	0034 741.23	FA300/Control Logix/OMN20/452	0029 801.24	0034 801.11
4 m						
5 m	FA500/Control Logix/2xOMN20/458	0029 743.00	0034 743.25	FA500/Control Logix/OMN20/452	0029 803.26	0034 803.13

interfast 2

Allen Bradley PLC
Control Logix
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
Consult us

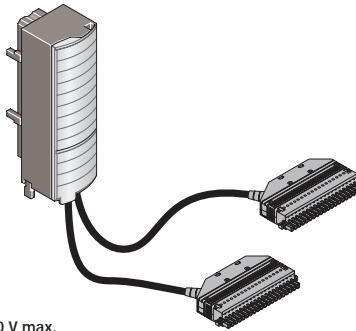
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

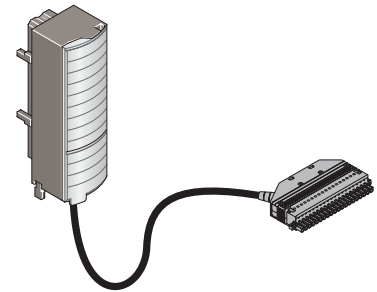
Type of interface connector	2 Omniconnect 20 points			1 Omniconnect 20 points		
Wire size	0,22mm ² - 24 AWG			0,22mm ² - 24 AWG		
Resistance/capacity cable	80 Ω/KM - 120 nF/KM			80 Ω/KM - 120 nF/KM		
PLC connector reference	1756 - TB CH			1756 - TB CH		

Board 16 O DIGITAL Board 8 O DIGITAL



⁽¹⁾ To 120 V max.

Board 16 O DIGITAL



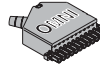
⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGITAL			Boards 16 O DIGITAL		
1756 - OA 16I	2 6		1756 - OB 16D	2 3 ⁽¹⁾	16 Relays N ⁽¹⁾ / 16 Opto N ⁽¹⁾
1756 - OB 16I	2 6				
1756 - ON 16I	2 6				
1756 - OW 16I	2 6 ⁽¹⁾				
Boards 8 O DIGITAL					
1756 - OX 8I	2 6				
1756 - OH 8EI	2 6				

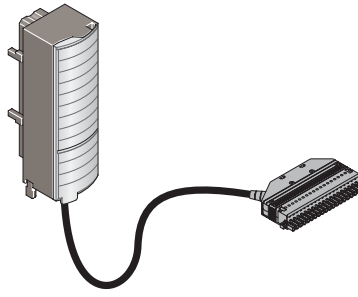
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Control Logix/2xOMN20/458	0029 738.03	0034 738.20	FA150/CONTROL LOGIX/OMN20/459	0029 744.01	0034 744.26
2 m	FA200/Control Logix/2xOMN20/458	0029 739.04	0034 739.21	FA200/CONTROL LOGIX/OMN20/459	0029 745.02	0034 745.27
2,5 m						
3 m	FA300/Control Logix/2xOMN20/458	0029 741.06	0034 741.23	FA300/CONTROL LOGIX/OMN20/459	0029 747.04	0034 747.21
4 m						
5 m	FA500/Control Logix/2xOMN20/458	0029 743.00	0034 743.25	FA500/CONTROL LOGIX/OMN20/459	0029 749.16	0034 749.03

interfast 2

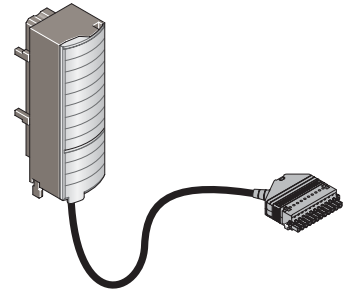
Allen Bradley® PLC
Control Logix
Swing arm with cable and
Omniconnect connectors



Board 16 O DIGITAL



Board 8 O DIGITAL Board 8 I DIGITAL



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGITAL			Boards 8 O DIGITAL		
1756 - OA 16	2		1756 - OA 8D	0	
1756 - OB 16E	2 3 ⁽¹⁾	16 relays N ⁽¹⁾ / 16 opto N ⁽¹⁾	1756 - OA 8E	0	
1756 - OV 16E	2	16 relays N/P / 16 opto N/P	Boards 8 I DIGITAL		
			1756 - IA 8D	0	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Control Logix/OMN20/451	0029 792.22	0034 792.17	FA150/Control Logix/OMN12/453	0029 804.27	0034 804.14
2 m	FA200/Control Logix/OMN20/451	0029 793.23	0034 793.10	FA200/Control Logix/OMN12/453	0029 805.20	0034 805.15
2,5 m						
3 m	FA300/Control Logix/OMN20/451	0029 795.25	0034 795.12	FA300/Control Logix/OMN12/453	0029 807.22	0034 807.17
4 m						
5 m	FA500/Control Logix/OMN20/451	0029 797.27	0034 797.14	FA500/Control Logix/OMN12/453	0029 809.04	0034 809.21

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

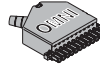
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

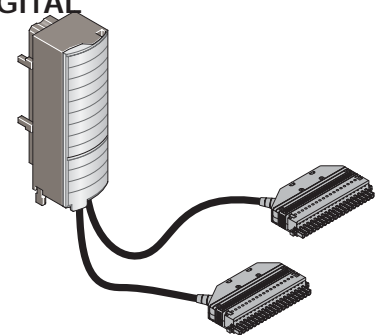
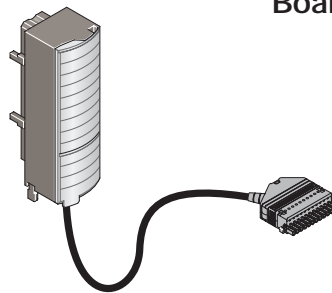
Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 12 points
Wire size	0,22mm ² - 24 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	1756 - TB NH	1756 - TB NH

interfast 2

Allen Bradley® PLC
Control Logix
Swing arm with cable and
Omniconnect connectors



Board 8 O DIGITAL



COMMON BY GROUP OF 8

COMMON BY GROUP OF 1

⁽¹⁾ For 24 VDC only

⁽¹⁾ To 120 V max.

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O DIGITAL			Boards 8 O DIGITAL		
1756 - OB 8EI	0 1 ⁽¹⁾	8 Relays ⁽¹⁾ / 8 Opto ⁽¹⁾	1756 - OB 8EI	2 6	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/CONTROL LOGIX/OMN12/460	0029 750.13	0034 750.00	FA150/Control Logix/2xOMN20/458	0029 738.03	0034 738.20
2 m	FA200/CONTROL LOGIX/OMN12/460	0029 751.00	0034 751.25	FA200/Control Logix/2xOMN20/458	0029 739.04	0034 739.21
2,5 m						
3 m	FA300/CONTROL LOGIX/OMN12/460	0029 753.02	0034 753.27	FA300/Control Logix/2xOMN20/458	0029 741.06	0034 741.23
4 m						
5 m	FA500/CONTROL LOGIX/OMN12/460	0029 755.04	0034 755.21	FA500/Control Logix/2xOMN20/458	0029 743.00	0034 743.25

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

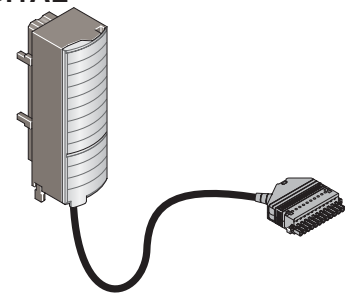
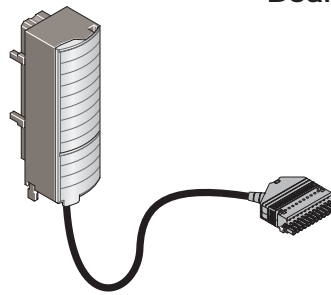
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Omniconnect 12 points	2 Omniconnect 20 points
Wire size	0,34mm ² - 22 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	1756 - TB CH	1756 - TB CH

interfast 2

Allen Bradley PLC
Control Logix
Swing arm with cable and
Omniconnect connectors



COMMON BY GROUP OF 4

COMMON BY GROUP OF 8

⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O DIGITAL			Boards 8 O DIGITAL		
1756 - OA 8			1756 - OA 8		
1756 - OB 8			1756 - OB 8		8 relays N ⁽¹⁾ / 8 opto N ⁽¹⁾
1756 - OC 8			1756 - OC 8		
1756 - ON 8			1756 - ON 8		



■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/CONTROL LOGIX/OMN12/454	0029 810.20	0034 810.15	FA150/CONTROL LOGIX/OMN12/455	0029 816.12	0034 816.07
2 m	FA200/CONTROL LOGIX/OMN12/454	0029 811.15	0034 811.02	FA200/CONTROL LOGIX/OMN12/455	0029 817.13	0034 817.00
2,5 m						
3 m	FA300/CONTROL LOGIX/OMN12/454	0029 813.17	0034 813.04	FA300/CONTROL LOGIX/OMN12/455	0029 819.25	0034 819.12
4 m						
5 m	FA500/CONTROL LOGIX/OMN12/454	0029 815.11	0034 815.06	FA500/CONTROL LOGIX/OMN12/455	0029 821.17	0034 821.04

Characteristics

Type of interface connector	1 Omnicontact 12 points	1 Omnicontact 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	1756 - TB NH	1756 - TB NH

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m						
2 m						
2,5 m						
3 m						
4 m						
5 m						

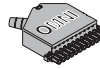
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

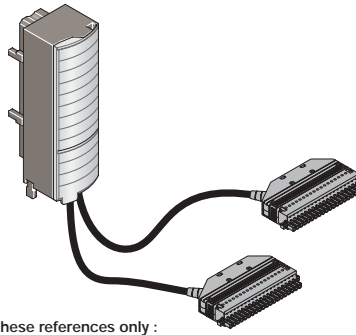
Type of interface connector	
Wire size	
Resistance/capacity cable	
PLC connector reference	

interfast 2

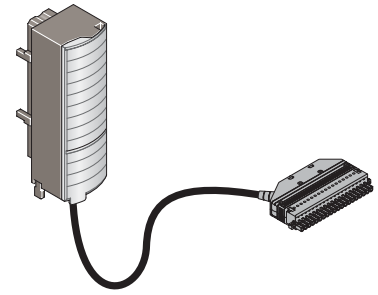
Allen Bradley® PLC
Control Logix
Swing arm with cable and
Omniconnect connectors



Board 16 I ANA



Board 8 I ANA



(1) For these references only :
0021 021.00, 0031 001.17, 0032 003.12

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I ANA			Boards 8 I ANA		
1756 - IF16	(1)		1756 - IF 8		



■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

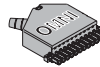
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Control Logix/2xOMN20/49	0036 060.22	0037 060.23	FA150/Control Logix/OMN20/492	0036 066.14	0037 066.15
2 m	FA200/Control Logix/2xOMN20/491	0036 061.17	0037 061.10	FA200/Control Logix/OMN20/492	0036 067.15	0037 067.16
2,5 m						
3 m	FA300/Control Logix/2xOMN20/491	0036 063.11	0037 063.12	FA300/Control Logix/OMN20/492	0036 069.27	0037 069.20
4 m						
5 m	FA500/Control Logix/2xOMN20/491	0036 065.13	0037 065.14	FA500/Control Logix/OMN20/492	0036 071.11	0037 071.12

Characteristics

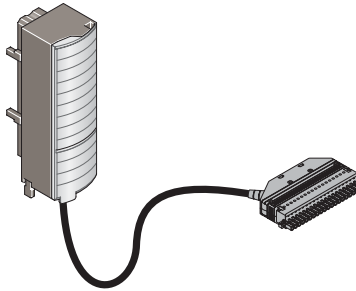
Type of interface connector	2 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	1756 - TB CH	1756 - TB CH

interfast 2

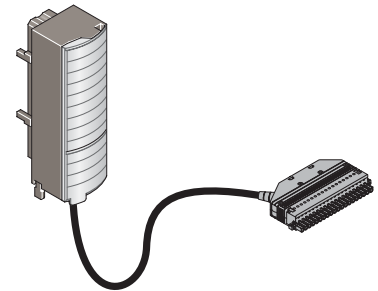
Allen Bradley® PLC
Control Logix
Swing arm with cable and
Omniconnect connectors



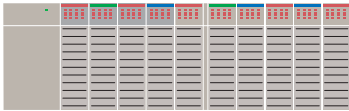
Board 8 O ANA



Board 6 I ANA Board 6 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O ANA			Boards 6 I ANA		
1756 - OF8			1756 - IR 6I		
			1756 - IF 6I		
			1756 - IF 6 CIS		
			Boards 6 O ANA		
			1756 - OF 6 CI		
			1756 - OF 6 VI		



■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

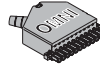
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Control Logix/OMN20/488	0036 042.14	0037 042.15	FA150/Control Logix/OMN20/490	0036 054.10	0037 054.11
2 m	FA200/Control Logix/OMN20/488	0036 043.15	0037 043.16	FA200/Control Logix/OMN20/490	0036 055.11	0037 055.12
2,5 m						
3 m	FA300/Control Logix/OMN20/488	0036 045.17	0037 045.10	FA300/Control Logix/OMN20/490	0036 057.13	0037 057.14
4 m						
5 m	FA500/Control Logix/OMN20/488	0036 047.11	0037 047.12	FA500/Control Logix/OMN20/490	0036 059.25	0037 059.26

Characteristics

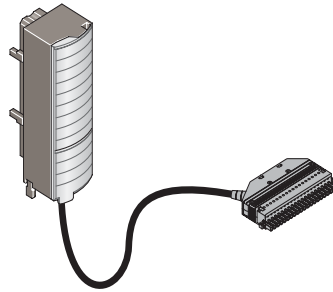
Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	1756 - TB NH	1756 - TB NH

interfast 2

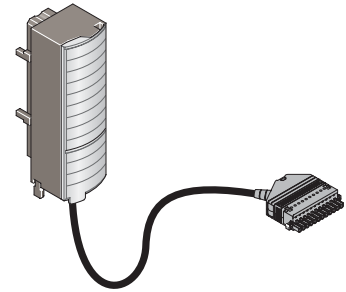
Allen Bradley® PLC
Control Logix
Swing arm with cable and
Omniconnect connectors



Board 4 I / 2 O ANA



Board 4 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 I / 2 O ANA			Boards 4 O ANA		
1756 - IF 4 FX O F2 F	2		1756 - OF 4	0	

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Control Logix/OMN20/660	0038 014.12	0039 014.13	FA150/Control Logix/OMN12/489	0036 048.22	0037 048.23
2 m	FA200/Control Logix/OMN20/660	0038 015.13	0039 015.14	FA200/Control Logix/OMN12/489	0036 049.23	0037 049.24
2,5 m						
3 m	FA300/Control Logix/OMN20/660	0038 017.15	0039 017.16	FA300/Control Logix/OMN12/489	0036 051.15	0037 051.16
4 m						
5 m	FA500/Control Logix/OMN20/660	0038 019.27	0039 019.20	FA500/Control Logix/OMN12/489	0036 053.17	0037 053.10

Characteristics

Type of interface connector	1 Omnicontact 20 points	1 Omnicontact 12 points
Wire size	0,22mm ² - 24 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	1756 - TB CH	1756 - TB NH

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m						
2 m						
2,5 m						
3 m						
4 m						
5 m						

Characteristics

Type of interface connector		
Wire size		
Resistance/capacity cable		
PLC connector reference		

interfast 2



Allen Bradley® PLC
Control Logix
Swing arm with cable and
Sub D connectors

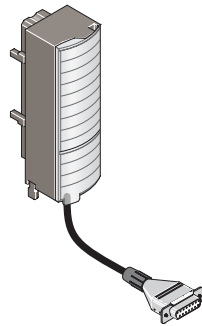


■ Wire markers optional:
Consult us

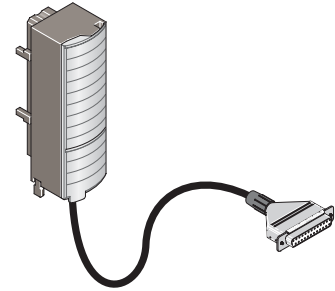
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Board 6 O ANA



Board 4 I / 2 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 6 O ANA			Boards 4 I / 2 O ANA		
1756 - OF 6VI	Sub D 15		1756 - IF 4 FXO F2F	Sub D 25	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Control Logix/SUBD15/470	0029 888.23	0034 888.10	FA150/Control Logix/SUBD25/659	0036 991.01	0037 991.02
2 m	FA200/Control Logix/SUBD15/470	0029 889.24	0034 889.11	FA200/Control Logix/SUBD25/659	0036 992.02	0037 992.03
2,5 m						
3 m	FA300/Control Logix/SUBD15/470	0029 891.16	0034 891.03	FA300/Control Logix/SUBD25/659	0036 994.04	0037 994.05
4 m						
5 m	FA500/Control Logix/SUBD15/470	0029 893.10	0034 893.05	FA500/Control Logix/SUBD25/659	0036 996.06	0037 996.07

Characteristics

Type of interface connector	1 Sub D 15 female points	1 Sub D 25 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	1756 - TB NH	1756 - TB CH

interfast 2



Allen Bradley® PLC
Control Logix
Swing arm with cable and
Sub D connectors

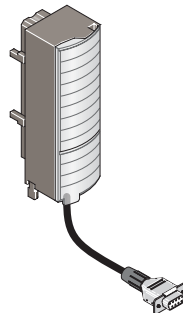


■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Board 4 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 O ANA					
1756 - OF4	Sub D 9				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Control Logix/SUBD9/469	0029 882.15	0034 882.02			
2 m	FA200/Control Logix/SUBD9/469	0029 883.16	0034 883.03			
2,5 m						
3 m	FA300/Control Logix/SUBD9/469	0029 885.10	0034 885.05			
4 m						
5 m	FA500/Control Logix/SUBD9/469	0029 887.12	0034 887.07			

Characteristics

Type of interface connector	1 Sub D 9 female points
Wire size	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM
PLC connector reference	1756 - TB NH

CONNECTION TECHNOLOGY SELECTION GUIDE

Allen Bradley SLC 500



Multipurpose cable

See chapter
"Connection cables"



interfast 2

Swing arm pre-wired by ENTRELEC

HDI High density range



STI standard range



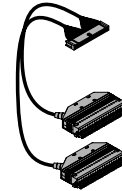
Sub D range Shielded cable



interfast 3

PLC used has a connector on the card

STI range cable

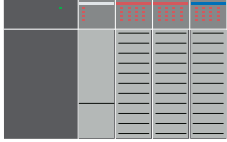


References

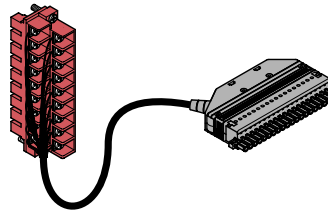
	See page	See page	See page
Boards 32I DIGITAL			
1746 - IB32			Page 105
1746 - IV32			Page 105
Boards 32O DIGITAL			
1746 - OB32			Page 105
1746 - OB32E			Page 105
1746 - OV32			Page 105
Boards 16I DIGITAL			
1746 - IA16	Page 101		
1746 - IB16	Page 101		
1746 - ITB16	Page 101		
1746 - IG16	Page 101		
1746 - IM16	Page 101		
1746 - IN16	Page 101		
1746 - IV16	Page 101		
1746 - ITV16	Page 101		
Boards 16O DIGITAL			
1746 - OA16	Page 101		
1746 - OB16	Page 101		
1746 - OBP16	Page 101		
1746 - OG16	Page 101		
1746 - OV16	Page 101		
1746 - OVP16	Page 101		
1746 - OW16	Page 102		
Boards 8O DIGITAL			
1746 - OX8	Page 102		
Boards 6I / 6O DIGITAL			
1746 - IO12	Page 102		
Boards 8I ANA			
1746 - NI8	Page 103	Page 104	
Boards 4O ANA			
1746 - NO4V	Page 103	Page 104	
1746 - NO4I	Page 103	Page 104	
Boards 4I ANA			
1746 - NI4	Page 103	Page 104	
Boards 2O / 2I ANA			
1746 - NI04I	Page 103	Page 104	
1746 - NI04V	Page 103	Page 104	

interfast 2

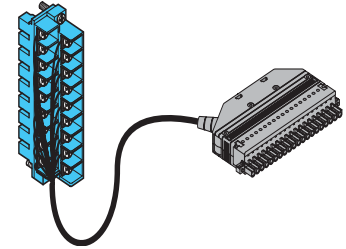
Allen Bradley® PLC
SLC 500
Swing arm with cable and
Omniconnect connectors



Board 16 I DIGITAL



Board 16 I DIGITAL



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL			Boards 16 I DIGITAL		
1746-IA 16	2		1746-IB 16	2 3	16 opto P ⁽¹⁾
1746-IM 16	2		1746-IN 16	2 3 ⁽¹⁾	16 opto P ⁽¹⁾
			1746-IV 16	2 3	
			1746-ITV 16	2 3	16 opto N/P
			1746-ITB 16	2 3	16 opto P ⁽¹⁾

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/SLC RT25R/OMN20/098	0021 610.27	0027 610.25	FA150/SLC RT25B/OMN20/099	0021 616.11	0027 616.17
2 m	FA200/SLC RT25R/OMN20/098	0021 611.14	0027 611.12	FA200/SLC RT25B/OMN20/099	0021 617.12	0027 617.10
2,5 m						
3 m	FA300/SLC RT25R/OMN20/098	0021 613.16	0027 613.14	FA300/SLC RT25B/OMN20/099	0021 619.24	0027 619.22
4 m						
5 m	FA500/SLC RT25R/OMN20/098	0021 615.10	0027 615.16	FA500/SLC RT25B/OMN20/099	0021 621.16	0027 621.14

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

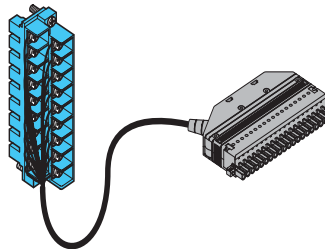
Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	1746-RT25R	1746-RT25B

interfast 2

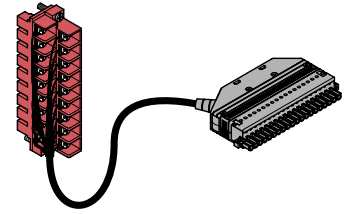
Allen Bradley® PLC
SLC 500
Swing arm with cable and Om-
niconnect connectors



Board 16 I DIGITAL Board 16 O DIGITAL



Board 16 O DIGITAL



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL			Boards 16 O DIGIT.		
1746-IG 16	2		1746-OA 16	2	
Boards 16 O DIGITAL					
1746-OV 16	2	16 Relays P ⁽¹⁾ / 16 opto P ⁽¹⁾			
1746-OB 16	2 3 ⁽¹⁾	16 Relays N ⁽¹⁾ / 16 opto N ⁽¹⁾			
1746-OG 16	2				
1746-OBP 16	2 3	16 Relays N / 16 opto N			
1746-OVP 16	2	16 Relays P / 16 opto P			

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/SLC RT25B/OMN20/100	0021 622.17	0027 622.15	FA150/SLC RT25R/OMN20/102	0021 634.13	0027 634.11
2 m	FA200/SLC RT25B/OMN20/100	0021 623.10	0027 623.16	FA200/SLC RT25R/OMN20/102	0021 635.14	0027 635.12
2,5 m						
3 m	FA300/SLC RT25B/OMN20/100	0021 625.12	0027 625.10	FA300/SLC RT25R/OMN20/102	0021 637.16	0027 637.14
4 m						
5 m	FA500/SLC RT25B/OMN20/100	0021 627.14	0027 627.12	FA500/SLC RT25R/OMN20/102	0021 639.20	0027 639.26

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

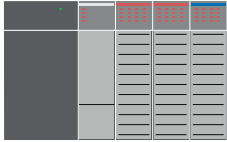
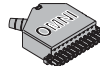
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	1746-RT25B	1746-RT25R

interfast 2

Allen Bradley® PLC
SLC 500
Swing arm with cable and
Omniconnect connectors

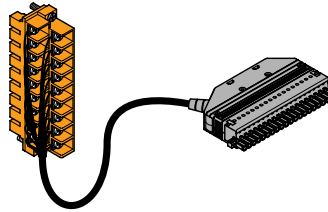


■ Wire markers optional:
Consult us

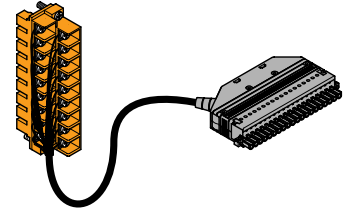
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Board 16 O DIGITAL



Board 8 O DIGITAL



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGIT. 1746-OW 16		16 Relays N ⁽¹⁾ / 16 opto N ⁽¹⁾	Boards 8 O DIGITAL 1746-OX 8		

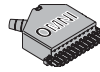
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/SLC RT25C/OMN20/103	0021 640.05	0027 640.03	FA150/SLC RT25C/OMN20/104	0021 646.27	0027 646.25
2 m	FA200/SLC RT25C/OMN20/103	0021 641.22	0027 641.20	FA200/SLC RT25C/OMN20/104	0021 647.20	0027 647.26
2,5 m						
3 m	FA300/SLC RT25C/OMN20/103	0021 643.24	0027 643.22	FA300/SLC RT25C/OMN20/104	0021 649.02	0027 649.00
4 m						
5 m	FA500/SLC RT25C/OMN20/103	0021 645.26	0027 645.24	FA500/SLC RT25C/OMN20/104	0021 651.24	0027 651.22

Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	1746-RT25C	1746-RT25C

interfast 2

Allen Bradley® PLC
SLC 500
Swing arm with cable and
Omniconnect connectors

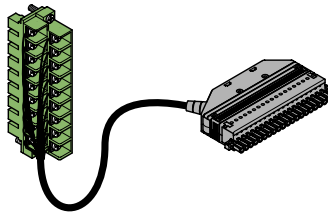


■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Board 6 I / 6 O DIGITAL



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 6 I / 6 O DIGI. 1746-IO 12					

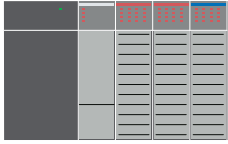
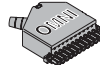
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/SLC RT25G/OMN20/105	0021 652.25	0027 652.23			
2 m	FA200/SLC RT25G/OMN20/105	0021 653.26	0027 653.24			
2,5 m						
3 m	FA300/SLC RT25G/OMN20/105	0021 655.20	0027 655.26			
4 m						
5 m	FA500/SLC RT25G/OMN20/105	0021 657.22	0027 657.20			

Characteristics

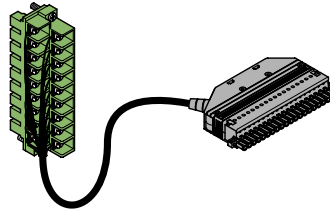
Type of interface connector	1 Omniconnect 20 points	
Wire size	0,22mm ² - 24 AWG	
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	
PLC connector reference	1746-RT25G	

interfast 2

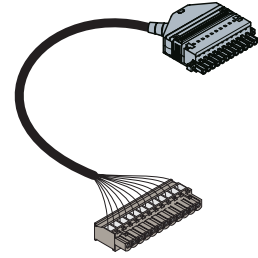
Allen Bradley® PLC
SLC 500
Swing arm with cable and
Omniconnect connectors



Board 8 I ANA



Board 4 I ANA Board 2 I / 2 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA			Boards 4 I ANA		
1746-NI8			1746-NI4		
			Board 2I/2O ANA		
			1746-NIO4I		
			1746-NIO4V		

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/SLC RT25G/OMN20/485	0036 024.02	0037 024.03	FA150/SLC RT28/OMN12/482	0036 006.11	0037 006.12
2 m	FA200/SLC RT25G/OMN20/485	0036 025.03	0037 025.04	FA200/SLC RT28/OMN12/482	0036 007.12	0037 007.13
2,5 m						
3 m	FA300/SLC RT25G/OMN20/485	0036 027.05	0037 027.06	FA300/SLC RT28/OMN12/482	0036 009.24	0037 009.25
4 m						
5 m	FA500/SLC RT25G/OMN20/485	0036 029.17	0037 029.10	FA500/SLC RT28/OMN12/482	0036 011.05	0037 011.06

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

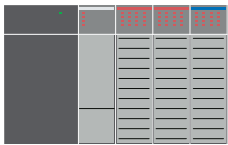
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

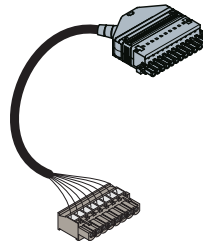
Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 12 points
Wire size	0,22mm ² - 24 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	1746-RT25G	1746-RT28

interfast 2

Allen Bradley® PLC
SLC 500
Swing arm with cable and
Omniconnect connectors



Board 4 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 O ANA					
1746-NO4V					
1746-NO4I					

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/SLC RT27/OMN12/483	0036 012.06	0037 012.07			
2 m	FA200/SLC RT27/OMN12/483	0036 013.07	0037 013.00			
2,5 m						
3 m	FA300/SLC RT27/OMN12/483	0036 015.01	0037 015.02			
4 m						
5 m	FA500/SLC RT27/OMN12/483	0036 017.03	0037 017.04			

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Omniconnect 12 points	
Wire size	0,34mm ² - 22 AWG	
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	
PLC connector reference	1746-RT27	

interfast 2

Allen Bradley® PLC
SLC 500
Swing arm with cable and
Sub D connectors

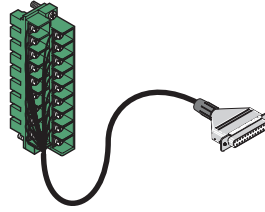


■ Wire markers optional:
Consult us

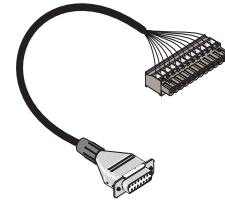
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Board 8 I ANA



Board 4 I ANA Board 2 I / 2 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA			Boards 2 I / 2 O ANA		
1746-NI8	Sub D 25		1746-NI 04 I	Sub D 15	
			1746-NI 04 V	Sub D 15	
			Boards 4 I ANA		
			1746-NI 4	Sub D 15	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/SLC RT25G/SUBD25/436	0029 702.00	0034 702.25	FA150/SLC RT28/SUBD15/096	0021 598.10	0027 598.16
2 m	FA200/SLC RT25G/SUBD25/436	0029 703.01	0034 703.26	FA200/SLC RT28/SUBD15/096	0021 599.11	0027 599.17
2,5 m						
3 m	FA300/SLC RT25G/SUBD25/436	0029 705.03	0034 705.20	FA300/SLC RT28/SUBD15/096	0021 601.23	0027 601.21
4 m						
5 m	FA500/SLC RT25G/SUBD25/436	0029 707.05	0034 707.22	FA500/SLC RT28/SUBD15/096	0021 603.25	0027 603.23

Characteristics

Type of interface connector	1 Sub D 25 female points	1 Sub D 15 female points
Wire size	0,34 mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	1746-RT25G	1746-RT28

interfast 2

Allen Bradley® PLC
SLC 500
Swing arm with cable and
Sub D connectors

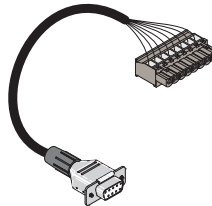


■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Board 4 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 O ANA					
1746-NO 4 V	Sub D 9				
1746-NO 4 I	Sub D 9				

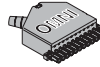
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/SLC RT27/SUBD9/097	0021 604.26	0027 604.24			
2 m	FA200/SLC RT27/SUBD9/097	0021 605.27	0027 605.25			
2,5 m						
3 m	FA300/SLC RT27/SUBD9/097	0021 607.21	0027 607.27			
4 m						
5 m	FA500/SLC RT27/SUBD9/097	0021 609.03	0027 609.01			

Characteristics

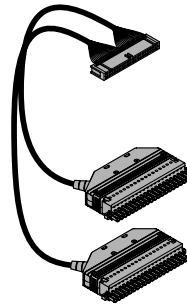
Type of interface connector	1 Sub D 9 female points
Wire size	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM
PLC connector reference	1746-RT27

interfast 3

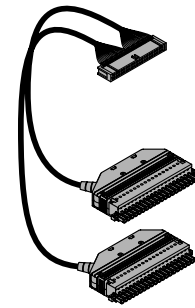
Allen Bradley® PLC
SLC 500
PLC board with built-in
connector. Cable with
Omniconnect connector



Board 32 I DIGITAL



Board 32 O DIGITAL



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 32 I DIGITAL			Boards 32 O DIGITAL		
1746-IB32	2 3 6 7	16 opto P	1746-OB32	2 3 6 7 ⁽¹⁾	16 Relays N ⁽¹⁾ / 16 opto N ⁽¹⁾
1746-IV32	2 6	16 opto N/P	1746-OB32 E	2 3 6 7	16 Relays N / 16 opto N
			1746-OV32	2 6	16 Relays P ⁽¹⁾ / 16 opto P ⁽¹⁾



A
6

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LA100/HE10-40/2xOMN20/154/UL		0037 560.25	LA100/HE10-40/2xOMN20/153/UL		0037 559.20
1,5 m	LA150/HE10-40/2xOMN20/154/UL		0028 030.24	LA150/HE10-40/2xOMN20/153/UL		0028 024.12
2 m	LA200/HE10-40/2xOMN20/154/UL		0028 031.11	LA200/HE10-40/2xOMN20/153/UL		0028 025.13
2,5 m						
3 m	LA300/HE10-40/2xOMN20/154/UL		0028 033.13	LA300/HE10-40/2xOMN20/153/UL		0028 027.15
4 m						
5 m	LA500/HE10-40/2xOMN20/154/UL		0028 035.15	LA500/HE10-40/2xOMN20/153/UL		0028 029.27

Characteristics

Type of interface connector	2 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,14mm ² - 26 AWG	0,14mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	1 HE 10/40 points	1 HE 10/40 points

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m						
2 m						
2,5 m						
3 m						
4 m						
5 m						

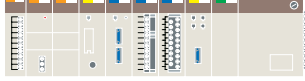
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector		
Wire size		
Resistance/capacity cable		
PLC connector reference		

CONNECTION TECHNOLOGY SELECTION GUIDE

OMRON
PLC C200H



A
7

Multipurpose cable

See chapter
"Connection cables"



interfast 2
Swing arm pre-wired by ENTRELEC

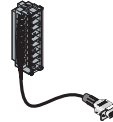
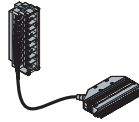
HDI High density range



STI standard range

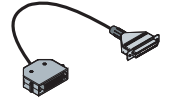
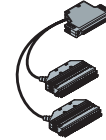
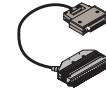


Sub D range Shielded cable



interfast 3
PLC used has a connector on the card

Shielded Sub D cable

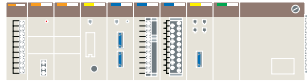


References

	See page	See page	See page	See page
Boards 96 I DIGITAL				
CS1W - ID 291				Page 111
Boards 96 O DIGITAL				
CS1W - OD 291				Page 111
CS1W - OD 292				Page 111
Boards 64 I DIGITAL				
C200H - ID 111 / 217 / 219				Page 113
Boards 64 O DIGITAL				
C200H - OD 219				Page 113
CS1W - OD 262				Page 113
Boards 48 I / 48 O DIGITAL				
CS1W - MD 291				Page 112
CS1W - MD 292				Page 112
Boards 32 I DIGITAL				
C200H - ID 215				Page 113
C200H - ID 216 / 218				Page 113
C200H - ID 501				Page 113
Boards 32 O DIGITAL				
C200H - OD 215				Page 113
C200H - OD 218				Page 113
C200H - OD 501				Page 113
C200H - OD 21B				Page 113
Boards 16 I / 16 O DIGITAL				
C200H - MD 115 / 215 / 501				Page 113
Boards 16 I DIGITAL				
C200H - IA 122 / 222		Page 107		
C200H - ID 212		Page 107		
C200H - IM 212		Page 107		
Boards 16 O DIGITAL				
C200H - OC 224 / 225 / 226		Page 107		
C200H - OD 21A / 212		Page 107		
Boards 12 O DIGITAL				
C200H - OA 222V / 224		Page 107		
C200H - OC 222		Page 107		
C200H - OD 211		Page 107		
C200H - OD 217		Page 107		
Boards 8 I DIGITAL				
C200H - IA 121 / 221		Page 108		
C200H - ID 211		Page 108		
C200H - IM 211		Page 108		
C200H - INT 01		Page 108		
Boards 8 O DIGITAL				
C200H - OA 122-E		Page 108		
C200H - OA 221 / 223		Page 108		
C200H - OC 221		Page 108		
C200H - OC 224V		Page 107		
C200H - OD 213 / 214 / 216 / 411		Page 108		
C200HS - INT 01		Page 108		
Boards 5 O DIGITAL				
C200H - OC 223		Page 108		
Boards 8 I ANA				
C200H - AD 002				Page 114
Boards 8 O ANA				
C200H - DA 002	Page 109	Page 110		

interfast 2

Omron PLC C200H
Swing arm with cable and
Omniconnect connector

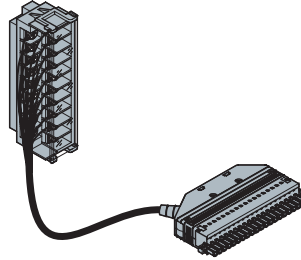


■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

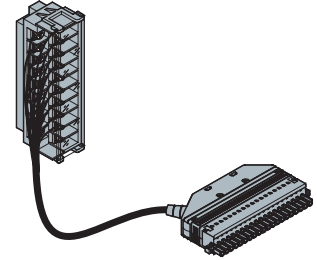
Board 16 I DIGITAL



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL		
C200H - IA 122		
C200H - IA 222		
C200H - ID 212		16 opto N/P
C200H - IM 212		16 opto N/P

Board 16 O DIGITAL Board 8 O DIGITAL



⁽¹⁾ For 24 VDC only

⁽²⁾ Negative common

Type of board	Connector interface	Decoupling interface
Boards 16 O DIGITAL		
C200H - OC 224		
C200H - OC 225		16 Relays P ⁽¹⁾⁽²⁾ /16 opto P ⁽¹⁾⁽²⁾
C200H - OD 212		16 Relays P/16 opto P
C200H - OD 21A		
C200H - OC 226		
Boards 8 O DIGITAL		
C200H - OC 224V		

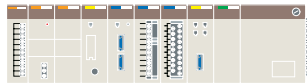
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/C200H/OMN20/273	0026 774.24	0028 774.06	FA150/C200H/OMN20/273	0026 774.24	0028 774.06
2 m	FA200/C200H/OMN20/273	0026 775.25	0028 775.07	FA200/C200H/OMN20/273	0026 775.25	0028 775.07
2,5 m						
3 m	FA300/C200H/OMN20/273	0026 777.27	0028 777.01	FA300/C200H/OMN20/273	0026 777.27	0028 777.01
4 m						
5 m	FA500/C200H/OMN20/273	0026 779.01	0028 779.13	FA500/C200H/OMN20/273	0026 779.01	0028 779.13

Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	C200H - PAR - PTC 219	C200H - PAR - PTC 219

interfast 2

Omron PLC C200H
Swing arm with cable and
Omniconnect connector

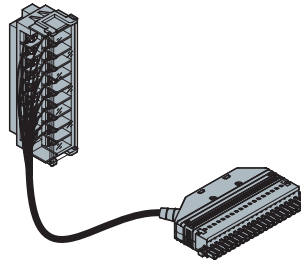


■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Boards 12 O DIGITAL

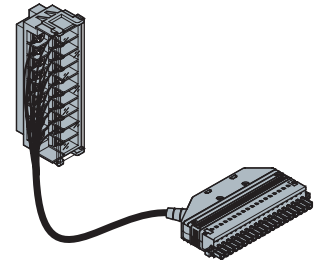


⁽¹⁾ For 24 VDC only

⁽²⁾ Negative common

Type of board	Connector interface	Decoupling interface
Boards 12 O DIGITAL		
C200H - OA 222V		
C200H - OA 224		
C200H - OC 222		12 Relays N/P ⁽¹⁾⁽²⁾
C200H - OD 211		12 Relays N/P

Board 12 O DIGITAL



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface
Boards 12 O DIGITAL		
C200H-OD217		12 Relays N/P ⁽¹⁾

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/C200H/OMN20/272	0026 768.06	0028 768.10	FA150/C200H/OMN20/292	0026 888.10	0028 888.22
2 m	FA200/C200H/OMN20/272	0026 769.07	0028 769.11	FA200/C200H/OMN20/292	0026 889.11	0028 889.23
2,5 m						
3 m	FA300/C200H/OMN20/272	0026 771.21	0028 771.03	FA300/C200H/OMN20/292	0026 891.03	0028 891.15
4 m						
5 m	FA500/C200H/OMN20/272	0026 773.23	0028 773.05	FA500/C200H/OMN20/292	0026 893.05	0028 893.17

Characteristics

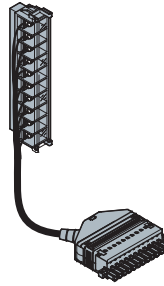
Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	C200H - PAR - PTC 219	C200H - PAR - PTC 219

interfast 2

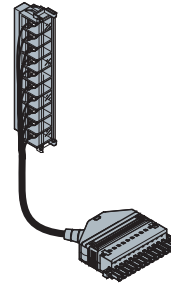
Omron PLC C200H
Swing arm with cable and
Omniconnect connector



Board 8 I DIGITAL

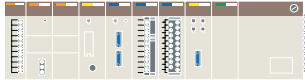


Board 8 O DIGITAL



⁽¹⁾ For 24 VDC only

⁽¹⁾ For 24 VDC only
⁽²⁾ Negative common



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I DIGITAL			Boards 8 O DIGITAL		
C200H - IA 121			C200H - OA 221		
C200H - IA 221			C200H - OA 223		
C200H - ID 211		8 opto N/P ⁽¹⁾	C200H - OA 122-E		
C200H - IM 211		8 opto N/P ⁽¹⁾	C200H - OC 221		8 Relays P ⁽¹⁾⁽²⁾
C200H - INT 01		8 opto N/P ⁽¹⁾	C200H - OD 213		8 Relays P
			C200H - OD 214		8 Relays N
			C200H - OD 216		
			C200H - OD 411		8 Relays N/P ⁽¹⁾

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/C200H/OMN12/274	0026 780.27	0028 780.01	FA150/C200H/OMN12/274	0026 780.27	0028 780.01
2 m	FA200/C200H/OMN12/274	0026 781.14	0028 781.26	FA200/C200H/OMN12/274	0026 781.14	0028 781.26
2,5 m						
3 m	FA300/C200H/OMN12/274	0026 783.16	0028 783.20	FA300/C200H/OMN12/274	0026 783.16	0028 783.20
4 m						
5 m	FA500/C200H/OMN12/274	0026 785.10	0028 785.22	FA500/C200H/OMN12/274	0026 785.10	0028 785.22

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

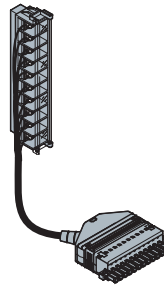
Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	C200H - PAR - EPTC 210B	C200H - PAR - EPTC 210B

interfast 2

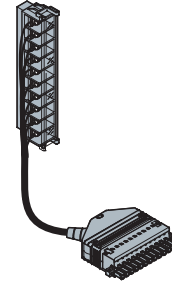
Omron PLC C200H
Swing arm with cable and
Omniconnect connector



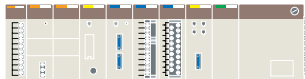
Board 8 O DIGITAL



Board 5 O DIGITAL



⁽¹⁾ For 24 VDC only



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O DIGITAL			Boards 5 O DIGITAL		
C200HS - INT 01		8 opto N/P ⁽¹⁾	C200H - OC 223		

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/C200H/OMN12/274	0026 780.27	0028 780.01	FA150/C200H/OMN12/275	0026 786.11	0028 786.23
2 m	FA200/C200H/OMN12/274	0026 781.14	0028 781.26	FA200/C200H/OMN12/275	0026 787.12	0028 787.24
2,5 m						
3 m	FA300/C200H/OMN12/274	0026 783.16	0028 783.20	FA300/C200H/OMN12/275	0026 789.24	0028 789.06
4 m						
5 m	FA500/C200H/OMN12/274	0026 785.10	0028 785.22	FA500/C200H/OMN12/275	0026 791.16	0028 791.20

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

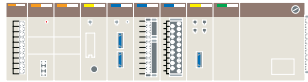
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	C200H - PAR - EPTC 210 B	C200H - PAR - EPTC 210 B

interfast 2

Omron PLC C200H
Swing arm with cable and
Omniconnect connector

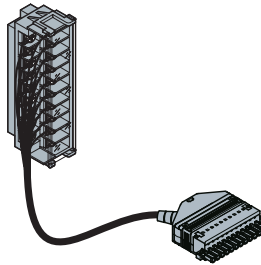


Wire markers optional:
Consult us

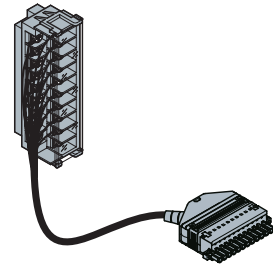
Accessories:
see section on ACCESSORIES

Recommended cable lengths in bold type
* Cables UL available only for USA, CANADA, MEXICO

Board 8 O ANA Current



Board 8 O ANA Voltage



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O ANA C200H - DA 002	0		Boards 8 O ANA C200H - DA 002	0	

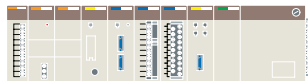
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/C200H/OMN12/520	0036 228.23	0037 228.24	FA150/C200H/OMN12/519	0036 222.15	0037 222.16
2 m	FA200/C200H/OMN12/520	0036 229.24	0037 229.25	FA200/C200H/OMN12/519	0036 223.16	0037 223.17
2,5 m						
3 m	FA300/C200H/OMN12/520	0036 231.16	0037 231.17	FA300/C200H/OMN12/519	0036 225.10	0037 225.11
4 m						
5 m	FA500/C200H/OMN12/520	0036 233.10	0037 233.11	FA500/C200H/OMN12/519	0036 227.12	0037 227.13

Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	C200H - PAR - PTC 219	C200H - PAR - PTC 219

interfast 2

Omron PLC C200H
Swing arm with cable and
Omniconnect connector

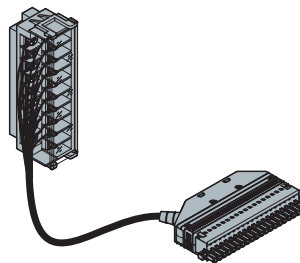


Wire markers optional:
Consult us

Accessories:
see section on ACCESSORIES

Recommended cable lengths in bold type
* Cables UL available only for USA, CANADA, MEXICO

Boards 8 O ANA Current / Voltage



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O ANA C200H - DA 002	2				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/C200H/OMN20/273	0026 774.24	0028 774.06			
2 m	FA200/C200H/OMN20/273	0026 775.25	0028 775.07			
2,5 m						
3 m	FA300/C200H/OMN20/273	0026 777.27	0028 777.01			
4 m						
5 m	FA500/C200H/OMN20/273	0026 779.01	0028 779.13			

Characteristics

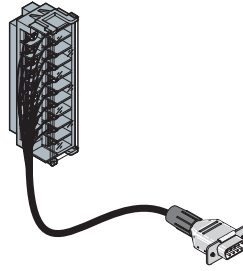
Type of interface connector	1 Omniconnect 20 points	
Wire size	0,22mm ² - 24 AWG	
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	
PLC connector reference	C200H - PAR - PTC 219	

interfast 2

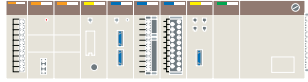
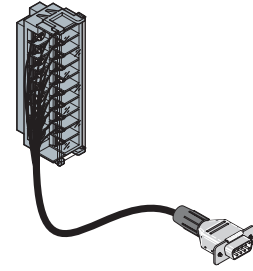
Omron PLC C200H
Swing arm with cable and
Sub D connector



Boards 8 O ANA Current Output



Board 8 S ANA Voltage source



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O ANA C200H - DA 002	SubD9		Boards 8 S ANA C200H - DA 002	SubD9	

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/C200H/SubD9/348	0029 620.01	0034 620.26	FA150/C200H/SubD9/347	0029 614.27	0034 614.14
2 m	FA200/C200H/SubD9/348	0029 621.26	0034 621.13	FA200/C200H/SubD9/347	0029 615.20	0034 615.15
2,5 m						
3 m	FA300/C200H/SubD9/348	0029 623.20	0034 623.15	FA300/C200H/SubD9/347	0029 617.22	0034 617.17
4 m						
5 m	FA500/C200H/SubD9/348	0029 625.22	0034 625.17	FA500/C200H/SubD9/347	0029 619.04	0034 619.21

Characteristics

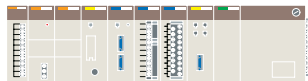
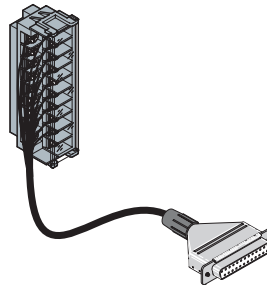
Type of interface connector	1 Sub D 9 points female	1 Sub D 9 points female
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	C200H - PAR - PTC 219	C200H - PAR - PTC 219

interfast 2

Omron PLC C200H
Swing arm with cable and
Sub D connector



Board 8 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 S ANA C200H - DA 002	SubD25				

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

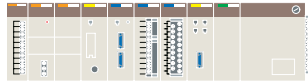
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/C200H/SubD25/349	0029 608.12	0034 608.07			
2 m	FA200/C200H/SubD25/349	0029 609.13	0034 609.00			
2,5 m						
3 m	FA300/C200H/SubD25/349	0029 611.24	0034 611.11			
4 m						
5 m	FA500/C200H/SubD25/349	0029 613.26	0034 613.13			

Characteristics

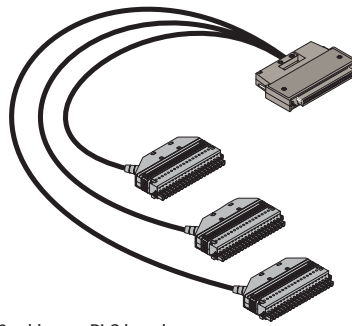
Type of interface connector	1 Sub D 25 points female	
Wire size	0,34mm ² - Shielded 22 AWG	
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	
PLC connector reference	C200H - PAR - PTC 219	

interfast 3

Omron PLC C200H
PLC board with built-in
connector. Cable with
Omnicconnect connector



Board 96 I DIGITAL



Note : 2 cables per PLC board

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 96 I DIGITAL			Boards 96 O DIGITAL		
CS1W-ID291	2 3 6 7	16 opto N/P	CS1W-OD291	2 3 6 7	16 relays P / 16 opto P

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

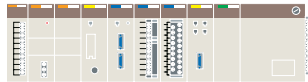
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/OMRON/3xOMN20/594/UL		0037 234.12	FA150/OMRON/3xOMN20/593/UL		0037 240.04
2 m	FA200/OMRON/3xOMN20/594/UL		0037 235.13	FA200/OMRON/3xOMN20/593/UL		0037 241.21
2,5 m						
3 m	FA300/OMRON/3xOMN20/594/UL		0037 237.15	FA300/OMRON/3xOMN20/593/UL		0037 243.23
4 m						
5 m	FA500/OMRON/3xOMN20/594/UL		0037 239.27	FA500/OMRON/3xOMN20/593/UL		0037 245.25

Characteristics

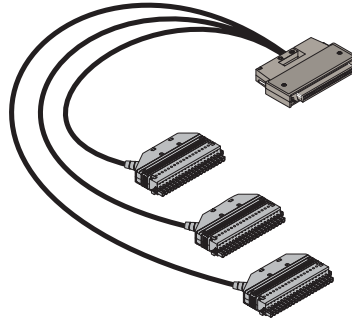
Type of interface connector	3 Omnicconnect 20 points	3 Omnicconnect 20 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	Fujitsu 56 points	Fujitsu 56 points

interfast 3

Omron PLC C200H
PLC board with built-in
connector. Cable with
Omnicconnect connector



Board 96 O DIGITAL



Note : 2 cables per PLC board

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 96 O DIGITAL					
CS1W-OD292	2 3 6 7	16 relays N / 16 opto N			

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

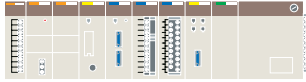
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/OMRON/3xOMN20/592/UL		0037 192.01			
2 m	FA200/OMRON/3xOMN20/592/UL		0037 193.02			
2,5 m						
3 m	FA300/OMRON/3xOMN20/592/UL		0037 195.04			
4 m						
5 m	FA500/OMRON/3xOMN20/592/UL		0037 197.06			

Characteristics

Type of interface connector	3 Omnicconnect 20 points	3 Omnicconnect 20 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	Fujitsu 56 points	Fujitsu 56 points

interfast 3

Omron PLC C200H
PLC board with built-in
connector. Cable with
Omnicconnect connector



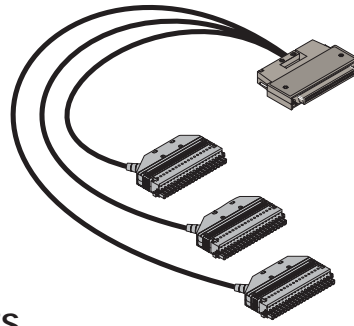
A
7

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Board 48 I / 48 O DIGITAL



INPUTS

OUTPUTS

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 48I/48O DIG.			Boards 48I/48O DIG.		
CS1W-MD291	2 3 6 7	16 opto N/P	CS1W-MD291	2 3 6 7	16 relays P / 16 opto P

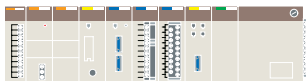
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/OMRON/3xOMN20/594/UL		0037 234.12	FA150/OMRON/3xOMN20/593/UL		0037 240.04
2 m	FA200/OMRON/3xOMN20/594/UL		0037 235.13	FA200/OMRON/3xOMN20/593/UL		0037 241.21
2,5 m						
3 m	FA300/OMRON/3xOMN20/594/UL		0037 237.15	FA300/OMRON/3xOMN20/593/UL		0037 243.23
4 m						
5 m	FA500/OMRON/3xOMN20/594/UL		0037 239.27	FA500/OMRON/3xOMN20/593/UL		0037 245.25

Characteristics

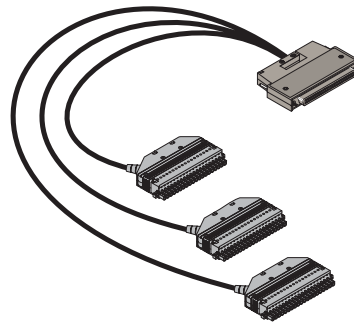
Type of interface connector	3 Omnicconnect 20 points	3 Omnicconnect 20 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	Fujitsu 56 points	Fujitsu 56 points

interfast 3

Omron PLC C200H
PLC board with built-in
connector. Cable with
Omnicconnect connector



Board 48 I / 48 O DIGITAL



INPUTS

OUTPUTS

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 48I/48O DIG.			Boards 48I/48O DIG.		
CS1W-MD292	2 3 6 7	16 opto N/P	CS1W-MD292	2 3 6 7	16 relays N / 16 opto N

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/OMRON/3xOMN20/594/UL		0037 234.12	FA150/OMRON/3xOMN20/592/UL		0037 192.01
2 m	FA200/OMRON/3xOMN20/594/UL		0037 235.13	FA200/OMRON/3xOMN20/592/UL		0037 193.02
2,5 m						
3 m	FA300/OMRON/3xOMN20/594/UL		0037 237.15	FA300/OMRON/3xOMN20/592/UL		0037 195.04
4 m						
5 m	FA500/OMRON/3xOMN20/594/UL		0037 239.27	FA500/OMRON/3xOMN20/592/UL		0037 197.06

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

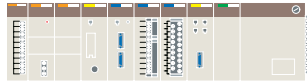
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	3 Omnicconnect 20 points	3 Omnicconnect 20 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	Fujitsu 56 points	Fujitsu 56 points

interfast 3

Omron PLC C200H
PLC board with built-in
connector. Cable with
Omniconnect connector

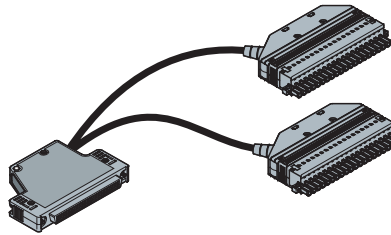


■ Wire markers optional:
Consult us

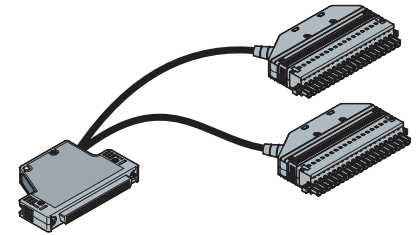
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Board 64 I DIGITAL Board 32 I DIGITAL



Board 64 O DIGITAL Board 32 O DIGITAL



⁽²⁾ Note : 2 cables per PLC board

⁽²⁾ Note : 2 cables per PLC board

⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 64 I DIGITAL			Boards 64 O DIGITAL		
C200H - ID 111 ⁽²⁾	2 6		C200H - OD 219 ⁽²⁾	2 6	16 relays P ⁽¹⁾ / 16 opto P ⁽¹⁾
C200H - ID 217 ⁽²⁾	2 3 6 7	16 opto N/P	CS1W - OD 262 ⁽²⁾	2 6	16 relays N / 16 opto N
C200H - ID 219 ⁽²⁾	2 3 6 7	16 opto N/P	Boards 32 O DIGITAL		
Boards 32 I DIGITAL			C200H - OD 218	2 6	16 relays P ⁽¹⁾ / 16 opto P ⁽¹⁾
C200H - ID 216	2 3 6 7	16 opto N/P	C200H - OD 21B	2 6	16 relays N / 16 opto N
C200H - ID 218	2 3 6 7	16 opto N/P			

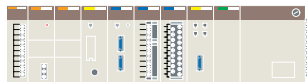
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/OMRON/2xOMN20/269/UL		0028 750.12	FA150/OMRON/2xOMN20/270/UL		0028 756.04
2 m	FA200/OMRON/2xOMN20/269/UL		0028 751.07	FA200/OMRON/2xOMN20/270/UL		0028 757.05
2,5 m						
3 m	FA300/OMRON/2xOMN20/269/UL		0028 753.01	FA300/OMRON/2xOMN20/270/UL		0028 759.17
4 m						
5 m	FA500/OMRON/2xOMN20/269/UL		0028 755.03	FA500/OMRON/2xOMN20/270/UL		0028 761.01

Characteristics

Type of interface connector	2 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	Fujitsu 40 points	Fujitsu 40 points

interfast 3

Omron PLC C200H
PLC board with built-in
connector. Cable with
Omniconnect connector

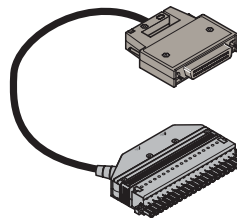


■ Wire markers optional:
Consult us

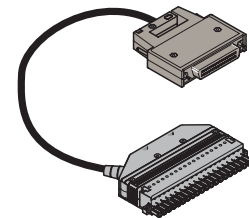
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Board 32 I DIGITAL Board 32 O DIGITAL



Board 16 I / 16 O DIGITAL



⁽²⁾ Note : 2 cables per PLC board

⁽²⁾ Note : 2 cables per PLC board

⁽¹⁾ For 24 VDC only

⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 32 I DIGITAL			Boards 16I/16O DIGI.		
C200H - ID 215 ⁽²⁾	2 3 6 7	16 opto N/P	C200H - MD 115 ⁽²⁾	2 3	16 relays P ⁽¹⁾
C200H - ID 501 ⁽²⁾	2 6				16 opto P ⁽¹⁾
Boards 32 O DIGITAL			C200H - MD 215 ⁽²⁾	2 3 6 7	16 relays P
C200H - OD 215 ⁽²⁾	2 6	16 relays P ⁽¹⁾ /16 opto P ⁽¹⁾	C200H - MD 501 ⁽²⁾	2 6	16 opto N ⁽¹⁾ 16 opto P
C200H - OD 501 ⁽²⁾	2 6				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/C200H/OMN20/271/UL		0028 762.02	FA150/C200H/OMN20/271/UL		0028 762.02
2 m	FA200/C200H/OMN20/271/UL		0028 763.03	FA200/C200H/OMN20/271/UL		0028 763.03
2,5 m						
3 m	FA300/C200H/OMN20/271/UL		0028 765.05	FA300/C200H/OMN20/271/UL		0028 765.05
4 m						
5 m	FA500/C200H/OMN20/271/UL		0028 767.07	FA500/C200H/OMN20/271/UL		0028 767.07

Characteristics

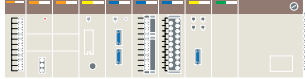
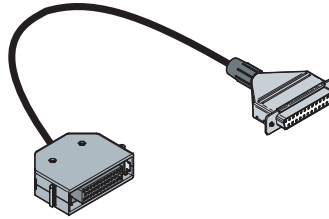
Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	Fujitsu 24 points	Fujitsu 24 points

interfast 3

Omron PLC C200H
PLC board with built-in
connector. Cable with Sub D
connector



Board 8 I ANA



A
7

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA					
C200H - AD 002	Sub D 25				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/C200H/SUBD25/285	0026 846.15	0028 846.27			
2 m	FA200/C200H/SUBD25/285	0026 847.16	0028 847.20			
2,5 m						
3 m	FA300/C200H/SUBD25/285	0026 849.20	0028 849.02			
4 m						
5 m	FA500/C200H/SUBD25/285	0026 851.12	0028 851.24			

Characteristics

Type of interface connector	1 Sub D 25 female points
Wire size	0,14 mm ² - Shielded 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM
PLC connector reference	MR - 34 LFG

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m						
2 m						
2,5 m						
3 m						
4 m						
5 m						

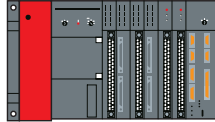
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	
Wire size	
Resistance/capacity cable	
PLC connector reference	

CONNECTION TECHNOLOGY SELECTION GUIDE

MITSUBISHI PLC MELSEC A



Multipurpose cable

See chapter
"Connection cables"



interfast 2

Swing arm pre-wired by ENTRELEC

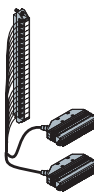
HDI High density range



STI standard range



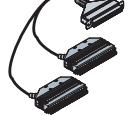
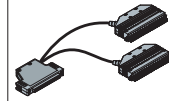
Sub D range Shielded cable



interfast 3

PLC used has a connector on the card

STI range cable

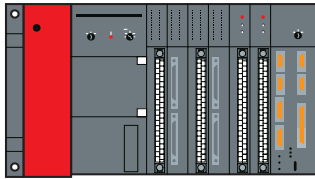


References

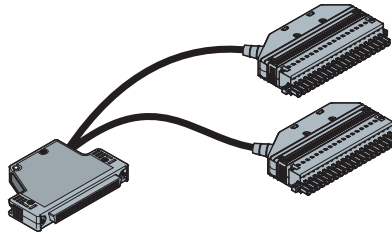
	See page	See page	See page	See page	See page	See page
Boards 64 I DIGITAL						
AX42					Page 116	
AX42-S1					Page 116	
AX82						Page 116
Boards 64 O DIGITAL						
AY42					Page 116	
AY42-S1					Page 116	
AY42-S3				Page 116		
AY42-S4			Page 116			
AY72					Page 116	
AY82EP					Page 116	
Boards 32 I DIGITAL						
AX11		Consult us				
AX21 / AX21EU		Consult us				
AX31C		Consult us				
AX41 / AX41-S1		Consult us				
AX71		Consult us				
AX81 / AX81-S1 / AX81-S2		Consult us				
Boards 32 O DIGITAL						
AY13 / AY13E		Consult us				
AY23		Consult us				
AY41 / AY41P		Consult us				
AY51 / AY51-S1		Consult us				
AY71		Consult us				
AY81 / AY81EP		Consult us				
Boards 24 O DIGITAL						
AY15EU		Consult us				
Boards 16 I DIGITAL						
AX10		Consult us				
AX20		Consult us				
AX40		Consult us				
AX50 / AX50-S1		Consult us				
AX60 / AX60-S1		Consult us				
AX70		Consult us				
AX80 / AX80E		Consult us				
Boards 16 O DIGITAL						
AY10 / AY10A	Consult us					
AY11 / AY11A / AY11E	Consult us					
AY20EU	Consult us					
AY22	Consult us					
AY40 / AY40A / AY40P	Consult us					
AY50	Consult us					
AY60 / AY60E / AY60S / AY60EP	Consult us					
AY70	Consult us					
AY80 / AY80EP	Consult us					
Boards 16 I ANA						
A616AD	Consult us		Consult us			
Boards 16 O ANA						
A616DAV / A616DAI	Consult us		Consult us			
Boards 8 I ANA						
A68AD / A68ADN	Consult us		Consult us			
A68RD3 / A68RD4	Consult us		Consult us			
Boards 8 O ANA						
A68DAV / A68DAI	Consult us		Consult us			
A68AD / A68ADN	Consult us		Consult us			
Boards 2 O ANA						
A62DA	Consult us		Consult us			

interfast 3

Mitsubishi PLC MELSEC A PLC board with built-in connector. Cable with Omnicomnect connector



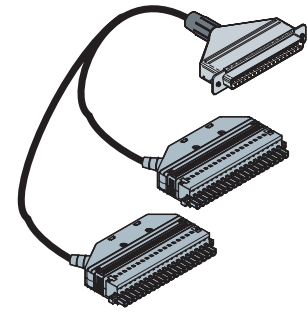
Board 64 I DIGITAL



Note : 2 cables per PLC board
(1) For 24 VDC only

Type of board	Connector interface	Decoupling interface
Boards 64 I DIGIT.		
AX42	2 3 (1) 6 7 (1)	16 opto N (1)
AX42-S1	2 3 (1) 6 7 (1)	16 opto N (1)

Board 64 I DIGITAL



Note : 2 cables per PLC board
(1) For 24 VDC only

Type of board	Connector interface	Decoupling interface
Boards 64 I DIGITAL		
AX 82	2 3 (1) 6 7 (1)	16 opto P (1)

■ Wire markers optional: Consult us

■ Accessories: see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

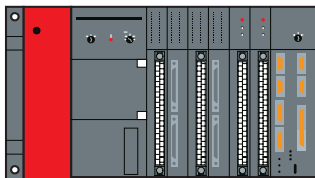
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/MELSEC/2xOMN20/463/UL		0034 846.15	FA150/MELSEC/2xOMN20/325/UL		0034 086.07
2 m	FA200/MELSEC/2xOMN20/463/UL		0034 847.16	FA200/MELSEC/2xOMN20/325/UL		0034 087.00
2,5 m						
3 m	FA300/MELSEC/2xOMN20/463/UL		0034 849.20	FA300/MELSEC/2xOMN20/325/UL		0034 089.12
4 m						
5 m	FA500/MELSEC/2xOMN20/463/UL		0034 851.12	FA500/MELSEC/2xOMN20/325/UL		0034 091.04

Characteristics

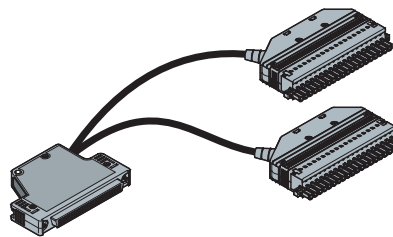
Type of interface connector	2 Omnicomnect 20 points	2 Omnicomnect 20 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	Fujitsu 40 points	1 Sub D 37 male points

interfast 3

Mitsubishi PLC MELSEC A PLC board with built-in connector. Cable with Omnicomnect connector



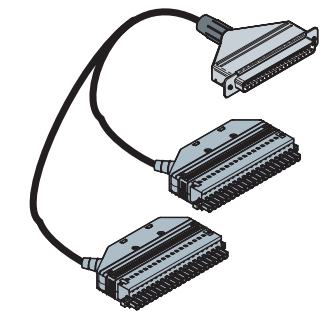
Board 64 O DIGITAL



Note : 2 cables per PLC board
(1) For 24 VDC only

Type of board	Connector interface	Decoupling interface
Boards 64 O DIGIT.		
AY42	2 6	16 relays P (1)
AY42-S1	2 6	16 relays P (1)
AY42-S3	2 6	16 relays P (1)
AY42-S4	2 6	16 relays P (1)
AY72	2 6	

Board 64 O DIGITAL



Note : 2 cables per PLC board
(1) For 24 VDC only

Type of board	Connector interface	Decoupling interface
Boards 64 O DIGIT.		
AY 82 EP	2 3 (1) 6 7 (1)	16 relays N (1)

■ Wire markers optional: Consult us

■ Accessories: see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

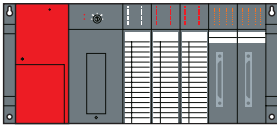
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/MELSEC/2xOMN20/464/UL		0034 852.13	FA150/MELSEC/2xOMN20/326/UL		0034 092.05
2 m	FA200/MELSEC/2xOMN20/464/UL		0034 853.14	FA200/MELSEC/2xOMN20/326/UL		0034 093.06
2,5 m						
3 m	FA300/MELSEC/2xOMN20/464/UL		0034 855.16	FA300/MELSEC/2xOMN20/326/UL		0034 095.00
4 m						
5 m	FA500/MELSEC/2xOMN20/464/UL		0034 857.10	FA500/MELSEC/2xOMN20/326/UL		0034 097.02

Characteristics

Type of interface connector	2 Omnicomnect 20 points	2 Omnicomnect 20 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	Fujitsu 40 points	1 Sub D 37 male points

CONNECTION TECHNOLOGY SELECTION GUIDE

MITSUBISHI PLC MELSEC AnS



Multipurpose cable

See chapter
"Connection cables"



interfast 2 Swing arm pre-wired by ENTRELEC

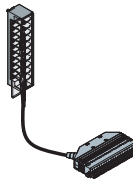
HDI High density range



STI standard range

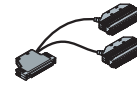


Sub D range Shielded cable



interfast 3 PLC used has a connector on the card

STI range cable

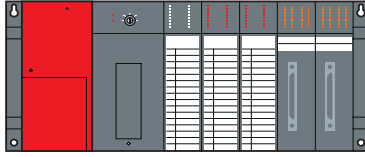


References

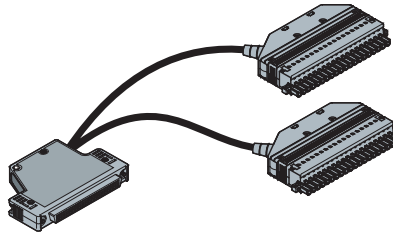
	See page	See page	See page	See page
Boards 64 I DIGITAL				
A1SX42				Page 118
A1SX42-S2				Page 118
Boards 64 O DIGITAL				
A1SY42				Page 118
Boards 32 I DIGITAL				
A1SX41				Page 118
A1SX41-S2				Page 118
A1SX71				Page 118
A1SX81				Page 118
A1SX81-S2				Page 118
Boards 32 O DIGITAL				
A1SY41				Page 118
A1SY71				Page 118
A1SY81				Page 118
Boards 16 I DIGITAL				
A1SX10EU				
A1SX20				
A1SX20EU				
A1SX30		Consult us		
A1SX40-S1 / A1SX40-S2		Consult us		
A1SP60		Consult us		
A1SI61		Consult us		
A1SX80		Consult us		
A1SX80-S1 / A1SX80-S2		Consult us		
Boards 16 O DIGITAL				
A1SY10		Consult us		
A1SY10EU		Consult us		
A1SY22				
A1SY40		Consult us		
A1SY50		Consult us		
A1SY60		Consult us		
A1SY60E		Consult us		
A1SY80		Consult us		
Boards 12 O DIGITAL				
A1SY14EU		Consult us		
Boards 8 O DIGITAL				
A1SY18A				
A1SY18AEU				
A1SY28A				
A1SY68A		Consult us		
Boards 8 I ANA				
A1S68AD			Consult us	
A1S68TD			Consult us	
Boards 8 O ANA				
A1S68DAV			Consult us	
A1S68DAI			Consult us	
Boards 4 I ANA				
A1S64AD			Consult us	
Boards 2 I ANA				
A1S62RD3			Consult us	
A1S62RD4			Consult us	
Boards 2 O ANA				
A1S62DA			Consult us	
Boards 2 I / 1 O ANA				
A1S63ADA			Consult us	

interfast 3

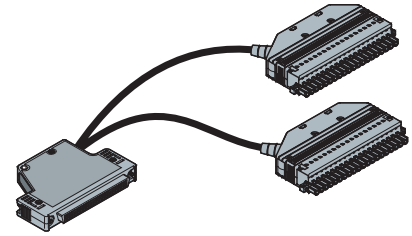
Mitsubishi PLC MELSEC AnS
PLC board with built-in
connector. Cable with
Omnicomnect connector



Board 64 I DIGITAL Board 32 I DIGITAL



Board 64 O DIGITAL Board 32 O DIGITAL



⁽²⁾ Note : 2 cables per PLC board
⁽¹⁾ For 24 VDC only

⁽²⁾ Note : 2 cables per PLC board
⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 64 I DIGIT.			Boards 64 O DIGIT.		
A1SX42 ⁽²⁾	2 3 6 7 ⁽¹⁾	16 opto N/P ⁽¹⁾	A1SY42 ⁽²⁾	2 6	16 relays P ⁽¹⁾
A1SX42-S2 ⁽²⁾	2 3 6 7 ⁽¹⁾	16 opto N/P	Boards 32 O DIGIT.		
Boards 32 I DIGIT.			A1SY41	2 6	16 relays P ⁽¹⁾
A1SX41	2 3 6 7 ⁽¹⁾	16 opto N/P ⁽¹⁾	A1SY71	2 6	
A1SX41-S2	2 3 6 7 ⁽¹⁾	16 opto N/P			
A1SX71	2 3 6 7 ⁽¹⁾	16 opto N/P ⁽¹⁾			

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

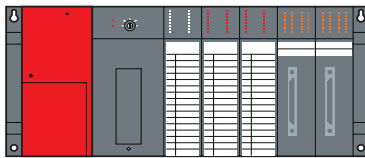
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/MELSEC/2xOMN20/463/UL		0034 846.15	FA150/MELSEC/2xOMN20/464/UL		0034 852.13
2 m	FA200/MELSEC/2xOMN20/463/UL		0034 847.16	FA200/MELSEC/2xOMN20/464/UL		0034 853.14
2,5 m						
3 m	FA300/MELSEC/2xOMN20/463/UL		0034 849.20	FA300/MELSEC/2xOMN20/464/UL		0034 855.16
4 m						
5 m	FA500/MELSEC/2xOMN20/463/UL		0034 851.12	FA500/MELSEC/2xOMN20/464/UL		0034 857.10

Characteristics

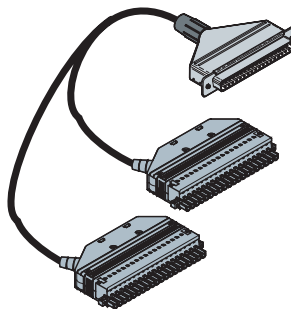
Type of interface connector	2 Omnicomnect 20 points	2 Omnicomnect 20 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	Fujitsu 40 points	Fujitsu 40 points

interfast 3

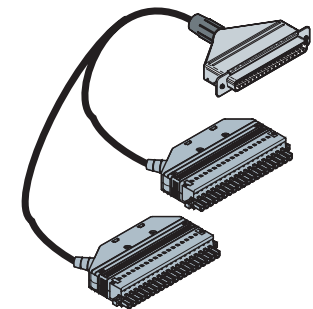
Mitsubishi PLC MELSEC AnS
PLC board with built-in
connector. Cable with
Omnicomnect connector



Board 32 I DIGITAL



Board 32 O DIGITAL



⁽¹⁾ For 24 VDC only

⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 32 I TOR			Boards 32 O DIGITAL		
A1SX81	2 3 6 7 ⁽¹⁾	16 opto N/P ⁽¹⁾	A1SY81	2 3 6 7 ⁽¹⁾	16 relays N ⁽¹⁾
A1SX81-S2	2 3 6 7 ⁽¹⁾	16 opto N/P			

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/MELSEC/2xOMN20/325/UL		0034 086.07	FA150/MELSEC/2xOMN20/326/UL		0034 092.05
2 m	FA200/MELSEC/2xOMN20/325/UL		0034 087.00	FA200/MELSEC/2xOMN20/326/UL		0034 093.06
2,5 m						
3 m	FA300/MELSEC/2xOMN20/325/UL		0034 089.12	FA300/MELSEC/2xOMN20/326/UL		0034 095.00
4 m						
5 m	FA500/MELSEC/2xOMN20/325/UL		0034 091.04	FA500/MELSEC/2xOMN20/326/UL		0034 097.02

Characteristics

Type of interface connector	2 Omnicomnect 20 points	2 Omnicomnect 20 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	Sub D 37 male points	Sub D 37 male points

Prewired swing arms



Summary

A9 - Connection cables

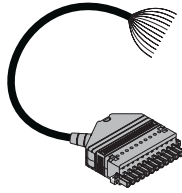
Multipurpose cables.....	120
Shielded cables.....	122

interfast 3

Multipurpose cables with Omniconnect connector



OMNICONNECT 12 PTS



Wires identified from 1 to 12

Color code

Connector		Connector	
Pin #	Wire Color	Pin #	Wire Color
1	Black	11	Red/White
1	White	12	Green/White
2	Red		
2	Green		
3	Orange		
4	Blue		
5	White/Black		
6	Red/Black		
7	Green/Black		
8	Orange/Black		
9	Blue/Black		
10	Black/White		

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
I/O DIGITAL	0 1 4 5	8 relays / 8 opto			

■ Wire markers optional: Consult us

■ Accessories: see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LA100/OMN12/UL	—	XUSI02563			
1,5 m	LA150/OMN12/UL	—	XUSI02564			
2 m	LA200/OMN12/UL	—	XUSI02565			
2,5 m	LA250/OMN12/UL	—	XUSI02566			
3 m	LA300/OMN12/UL	—	XUSI02567			
4 m	LA400/OMN12/UL	—	XUSI02568			
5 m	LA500/OMN12/UL	—	XUSI02569			

Characteristics

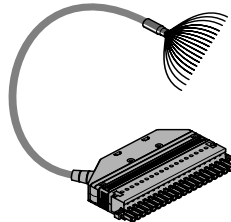
Type of connector	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM
Max. current/Max. voltage	2 A / 250 V

interfast 3

Multipurpose cables with Omniconnect connector



OMNICONNECT 20 PTS



Color code

Connector		Connector	
Pin #	Wire Color	Pin #	Wire Color
1	Black	11	Red/White
1	White	11	Green/White
2	Red	12	Blue/White
3	Green	13	Black/Red
4	Orange	14	White/Red
5	Blue	15	Orange/Red
6	White/Black	16	Blue/Red
7	Red/Black	17	Red/Red
8	Green/Black	18	Orange/Green
9	Orange/Black	19	Black/White/Red
10	Blue/Black	20	White/Black/Red
10	Black/White	20	Red/Black/White

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
I/O DIGITAL	2 3 6 7	16 relays / 16 opto			

■ Wire markers optional: Consult us

■ Accessories: see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LA100/OMN20/UL	—	XUSI02586			
1,5 m	LA150/OMN20/UL	—	XUSI02587			
2 m	LA200/OMN20/UL	—	XUSI02588			
2,5 m	LA250/OMN20/UL	—	XUSI02589			
3 m	LA300/OMN20/UL	—	XUSI02590			
4 m	LA400/OMN20/UL	—	XUSI02591			
5 m	LA500/OMN20/UL	—	XUSI02592			

Characteristics

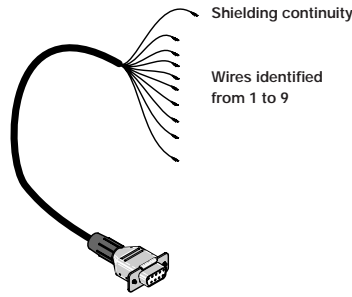
Type of connector	1 Omniconnect 20 points
Wire size	0,25mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM
Max. current/Max. voltage	2 A / 250 V

interfast 3

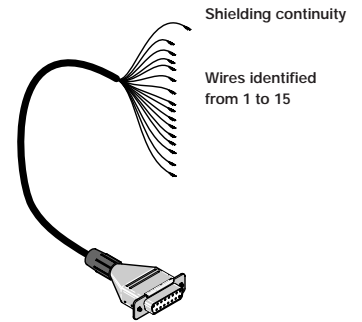
Multipurpose cables with Sub D connector



SUB D 9 PTS



SUB D 15 PTS



Type of board	Connector interface	Type of board	Connector interface
I/O ANA	Sub D 9	I/O ANA	Sub D 15

■ Wire markers optional: Consult us

■ Accessories: see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LAF150/UNI/SUBD9/420	0026 186.00	0028 186.12	LAF150/UNI/SUBD15/421	0026 192.06	0028 192.10
2 m	LAF200/UNI/SUBD9/420	0026 187.01	0028 187.13	LAF200/UNI/SUBD15/421	0026 193.07	0028 193.11
2,5 m						
3 m	LAF300/UNI/SUBD9/420	0026 189.13	0028 189.25	LAF300/UNI/SUBD15/421	0026 195.01	0028 195.13
4 m						
5 m	LAF500/UNI/SUBD9/420	0026 191.05	0028 191.17	LAF500/UNI/SUBD15/421	0026 197.03	0028 197.15

Characteristics

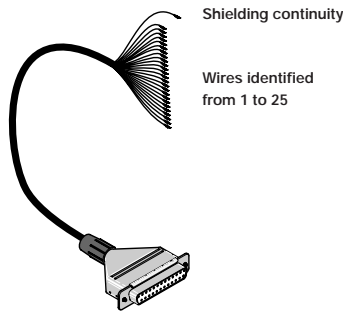
Type of connector	1 Sub D 9 female points	1 Sub D 15 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54Ω/KM - 120 nF/KM
Max. current/Max. voltage	1 A / 60 V	1 A / 60 V

interfast 3

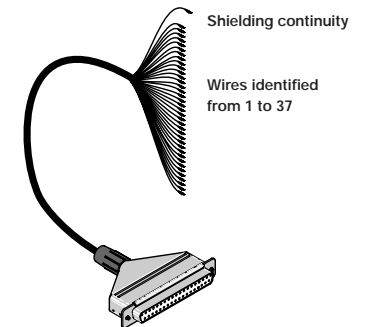
Multipurpose cables with Sub D connector



SUB D 25 PTS



SUB D 37 PTS



Type of board	Connector interface	Type of board	Connector interface
I/O ANA	Sub D 25	I/O ANA	Sub D 37

■ Wire markers optional: Consult us

■ Accessories: see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LAF150/UNI/SUBD25/422	0026 198.14	0028 198.26	LAF150/UNI/SUBD37/423	0026 204.22	0028 204.04
2 m	LAF200/UNI/SUBD25/422	0026 199.15	0028 199.27	LAF200/UNI/SUBD37/423	0026 205.23	0028 205.05
2,5 m						
3 m	LAF300/UNI/SUBD25/422	0026 201.27	0028 201.01	LAF300/UNI/SUBD37/423	0026 207.25	0028 207.07
4 m						
5 m	LAF500/UNI/SUBD25/422	0026 203.21	0028 203.03	LAF500/UNI/SUBD37/423	0026 209.07	0028 209.11

Characteristics

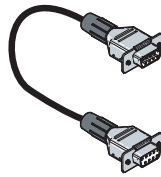
Type of connector	1 Sub D 25 female points	1 Sub D 37 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
Max. current/Max. voltage	1 A / 60 V	1 A / 60 V

interfast 3

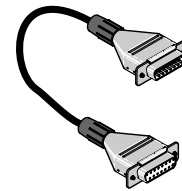
Shielded cables with Sub D connector to Sub D connector



Sub D 9 PTS
Male / Female



Sub D 15 PTS
Male / Female



Type of board	Connector interface	Type of board	Connector interface
E / S	Sub D 9	E / S	Sub D 15

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/SubD9M/SubD9F/287	0026 858.21	0028 858.03	LA150/SubD15M/SubD15F/288	0026 864.17	0028 864.21
2 m	LA200/SubD9M/SubD9F/287	0026 859.22	0028 859.04	LA200/SubD15M/SubD15F/288	0026 865.10	0028 865.22
2,5 m						
3 m	LA300/SubD9M/SubD9F/287	0026 861.14	0028 861.26	LA300/SubD15M/SubD15F/288	0026 867.12	0028 867.24
4 m						
5 m	LA500/SubD9M/SubD9F/287	0026 863.16	0028 863.20	LA500/SubD15M/SubD15F/288	0026 869.24	0028 869.06

Characteristics

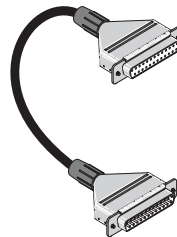
Type of connector	1 Sub D 9 points male + 1 Sub D 9 female points	1 Sub D 15 male points + 1 Sub D 15 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
Max. current / Max. voltage	1 A / 60 V	1 A / 60 V

interfast 3

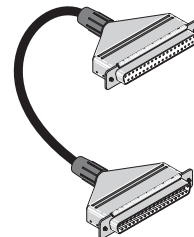
Shielded cables with Sub D connector to Sub D connector



Sub D 25 PTS
Male / Female



Sub D 37 PTS
Male / Female



Type of board	Connector interface	Type of board	Connector interface
E / S	Sub D 25	E / S	Sub D 37

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/SubD25M/SubD25F/289	0026 870.21	0028 870.03	LA150/SubD37M/SubD37F/290	0026 876.13	0028 876.25
2 m	LA200/SubD25M/SubD25F/289	0026 871.16	0028 871.20	LA200/SubD37M/SubD37F/290	0026 877.14	0028 877.26
2,5 m						
3 m	LA300/SubD25M/SubD25F/289	0026 873.10	0028 873.22	LA300/SubD37M/SubD37F/290	0026 879.26	0028 879.00
4 m						
5 m	LA500/SubD25M/SubD25F/289	0026 875.12	0028 875.24	LA500/SubD37M/SubD37F/290	0026 881.01	0028 881.13

Characteristics

Type of connector	1 Sub D 25 male points + 1 Sub D 25 female points	1 Sub D 37 male points + 1 Sub D 37 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
Max. current / Max. voltage	1 A / 60 V	1 A / 60 V

Notes

A

9

Terminal block assemblies : Interfast MS



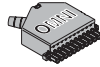
Summary

B1 - Screw connection interfaces	126
B2 - Screw decoupling interfaces	140
B3 - Universal interfaces	147
B4 - Spring connection interfaces	149

B

1

interfast MS

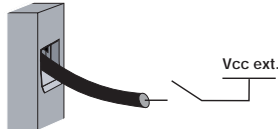


PLC connection interface
8 channels
with screw-clamp connection
Omniconnect product range



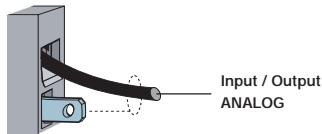
Applications

Single-wire interface



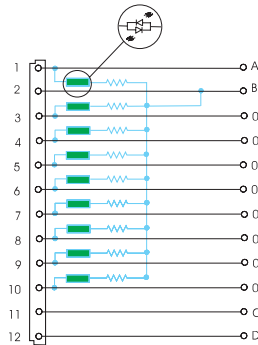
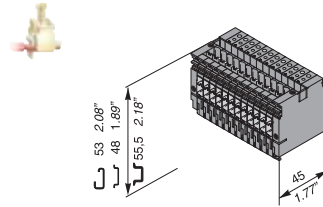
B
1

Single-wire Interface with shield connector



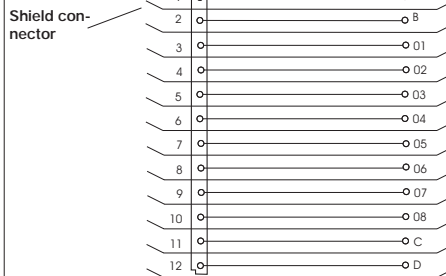
Single-wire interface with terminal blocks MA 2,5/5 - CPE

Spacing 71 mm 2.79"



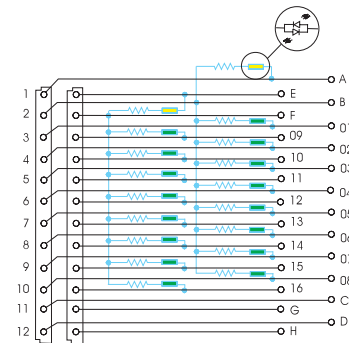
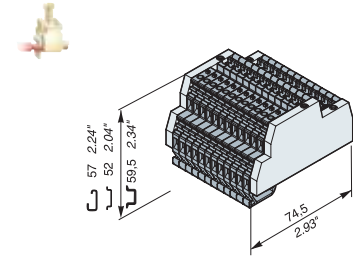
Blue schematic: products equipped with LED

Shield continuity is possible using CBM5 or CBM6 jumper bars (see accessories).



Single-wire compact interface with terminal blocks MA2,5/5D2-2CPE

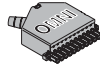
Spacing 71 mm 2.79"



Blue schematic: products equipped with LED

Part numbers	Type	Part number	Type	Part number
8 channels without LED	BOM-8	0621 016.11	B2OM-16	0631 000.00
8 channels with LEDs	BOM-8-L	0621 018.23	B2OM-16-L	0631 002.26
2x8 channels without compact LED				
2x8 channels with compact LEDs				
Characteristics	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 V DC	250 V AC/DC	30 V DC
Maximum current per point		2 A		2 A
Maximum current in common wires		5 A		5 A
Current per LED		5 mA		5 mA
Fuse on the power supply				
Fuse per point				
Test voltage	3 kV	0,5 kV	3 kV	0,5 kV
Operating temperature	- 20°C à + 75°C	- 20°C à + 60°C	- 20°C to + 75°C	- 20°C to + 60°C
Storage temperature	- 40°C to + 80°C		- 40°C to + 80°C	
Type of connector	Omniconnect plug 12 poles		2 Omniconnect plugs 12 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	
Accessories	Type	P/N	Type	P/N
1 Jumper bar	BJM5	See section on accessories	BJM5	See section on accessories
2 Jumper bar	BJMI5	See section on accessories	BJMI5	See section on accessories
3 Comb jumper	PC5	See section on accessories	PC5	See section on accessories
4 Connector plate	EL6	0173 627.21	EL6	0173 627.21
5 Fuse plug				
6 Test plug	FC2	∅ 2 mm 0007 865.26	FC2	∅ 2 mm 0007 865.26
7 Test device	DCB	blue 0105 028.21	DCB	blue 0105 028.21
8 Coding	COC1	0299 777.16	COC1	0299 777.16
9 Shield connector th. 0,5	CBM5	0178 745.14		
10 Shield connector th. 0,8	CBM8	0178 746.15		
11 Omniconnect plug	CPFT2 12 poles	See section on accessories	CPFT2 12 poles	See section on accessories
R See section on marking methods	RC510		RC510	

interfast MS

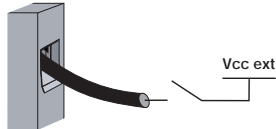


PLC connection interface
8 channels
with screw-clamp connection
Omniconnect product range

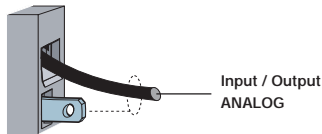


Applications

Single-wire interface

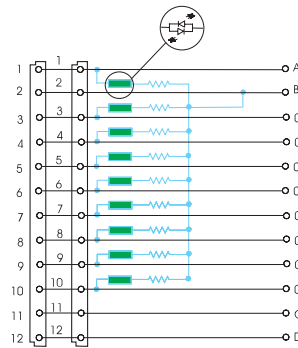
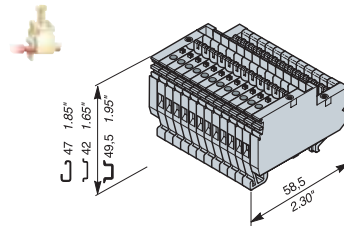


Single-wire Interface with shield connector



Single-wire interface with terminal blocks MA2,5/5-2CPE

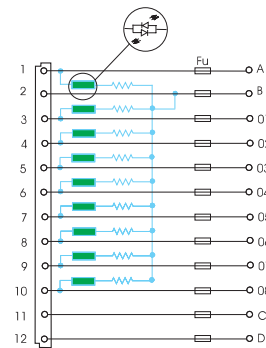
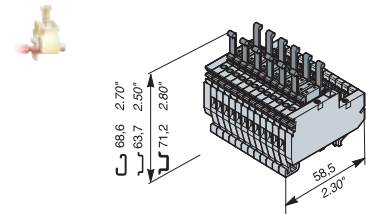
Spacing 71 mm 2.79"



Blue schematic: products equipped with LED

Single-wire interface with fuse on each I/O with terminal blocks MA2,5/5-SFA-CPE

Spacing 71 mm 2.79"



Blue schematic: products equipped with LED

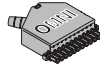
Fuse type: 297 Series Littlefuse

Part numbers		Type	Part number	Type	Part number
8 channels without LED		BOM-8	0631 004.20	BOM-8-F	0631 012.17
8 channels with LEDs		BOM-8-L	0631 006.22	BOM-8-LF	0631 014.11

Characteristics	Without LED	With LEDs	Without LED	With LEDs
	Maximum voltage	250 V AC/DC	30 V DC	32 V AC/DC
Maximum current per point		2 A		2 A
Maximum current in common wires		5 A		3 A
Current per LED		5 mA		5 mA
Fuse on the power supply				3 A
Fuse per point				2 A
Test voltage	3 kV	0,5 kV	0,5 kV	0,5 kV
Operating temperature	- 20°C à + 75°C	- 20°C à + 60°C		- 20°C to + 50°C
Storage temperature		- 40°C to + 80°C		- 40°C to + 80°C
Type of connector	2 Omniconnect plugs 12 poles		Omniconnect plug 12 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

Accessories		Type	P/N	Type	P/N
	1 Jumper bar	BJM5	See section on accessories		
	2 Jumper bar	BJMI5	See section on accessories		
	3 Comb jumper	PC5	See section on accessories	PC5	See section on accessories
	4 Connector plate	EL6	0173 627.21		
	5 Fuse plug			BF5 Auto	See section on accessories
	6 Test plug	FC2	0007 865.26	FC2	0007 865.26
	7 Test device	DCB	0105 028.21	DCB	0105 028.21
	8 Coding	COC1	0299 777.16	COC1	0299 777.16
	9 Shield connector th. 0,5				
	10 Shield connector th. 0,8				
	11 Omniconnect plug	CPFT2 12 poles	See section on accessories	CPFT2 12 poles	See section on accessories
	R See section on marking methods	RC510		RC510	

interfast MS

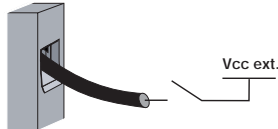


PLC connection interface
8 channels
with screw-clamp connection
Omniconnect product range



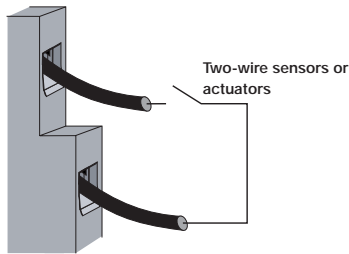
Applications

Single-wire
Interface



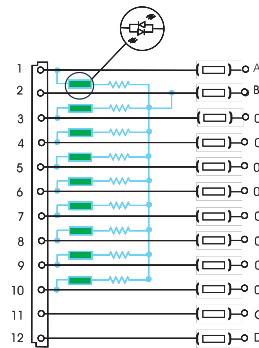
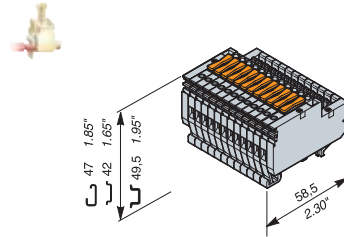
B
1

Two-wire
Interface



Interruptible single-wire interface with terminal blocks MA2,5/5-SNB-CPE

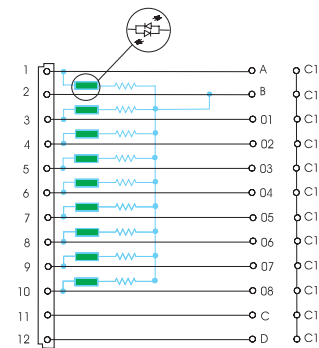
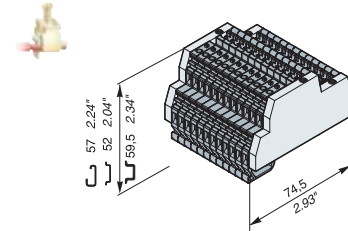
Spacing 71 mm 2.79"



Blue schematic:
products equipped
with LED

Two-wire interface with terminal blocks MA2,5/5D2-2CPE

Spacing 71 mm 2.79"



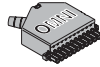
Blue schematic:
products equipped
with LED

Part numbers		Type	Part number	Type	Part number
8 channels without LED		BOM-8-S	0631 016.13	BOM-8-B	0631 024.13
8 channels with LEDs		BOM-8-SL	0631 018.25	BOM-8-BL	0631 026.15

Characteristics		Without LED	With LEDs	Without LED	With LEDs
Max. voltage		250 V AC/DC	30 V DC	250 V AC/DC	30 V DC
Maximum current per point			2 A		2 A
Max. current in common wires			5 A		5 A
Current per LED			5 mA		5 mA
Fuse on the power supply					
Fuse per point					
Test voltage		3 kV	0,5 kV	3 kV	0,5 kV
Operating temperature		- 20°C to + 70°C	- 20°C to + 55°C	- 20°C to + 75°C	- 20°C to + 60°C
Storage temperature		- 40°C to + 80°C		- 40°C to + 80°C	
Type of connector		Omniconnect plug 12 poles		Omniconnect plug 12 poles	
Wire capacity		0-2,5 mm ²		0-2,5 mm ²	

Accessories		Type	P/N	Type	P/N
	1 Jumper bar			BJM5	See section on accessories
	2 Jumper bar			BJMI5	See section on accessories
	3 Comb jumper	PC5	See section on accessories	PC5	See section on accessories
	4 Connector plate			EL6	0173 627.21
	5 Fuse plug				
	6 Test plug	FC2	∅ 2 mm 0007 865.26	FC2	∅ 2 mm 0007 865.26
	7 Test device	DCB	blue 0105 028.21	DCB	blue 0105 028.21
	8 Coding	COC1	0299 777.16	COC1	0299 777.16
	9 Plug with solder tags				
	10 Soldered fuses				
	11 Omniconnect plug	CPFT2	12 poles See section on accessories	CPFT2	12 poles See section on accessories
	R See section on marking methods	RC510		RC510	

interfast MS

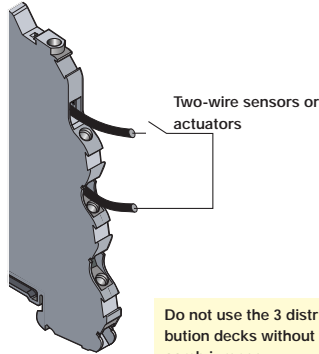


PLC connection interface
8 channels
with screw-clamp connection
Omniconnect product range



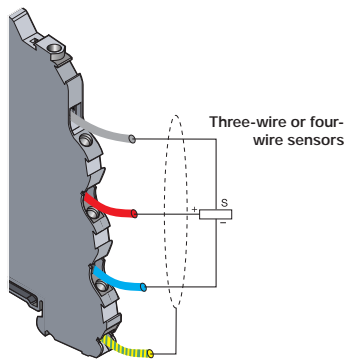
Applications

Two-wire Interface



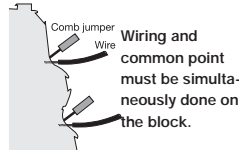
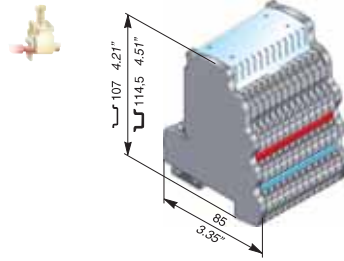
Do not use the 3 distribution decks without the comb jumper.

Three-wire / four-wire Interface

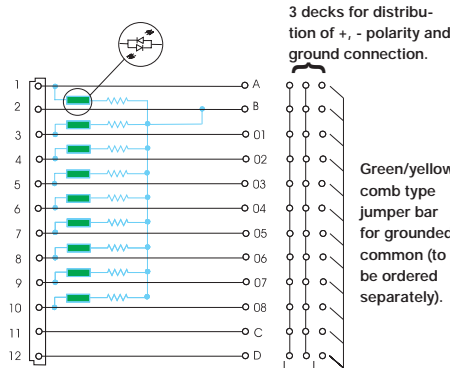


Three-wire or four-wire interface with terminal blocks D2,5/5-T3PI-CPE

Spacing 71 mm 2.79"



Wiring and common point must be simultaneously done on the block.

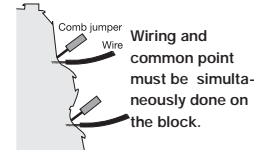
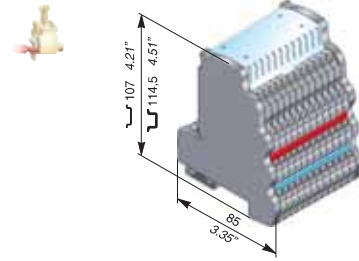


+ and - commons connected using red and blue comb type jumper bar delivered mounted.

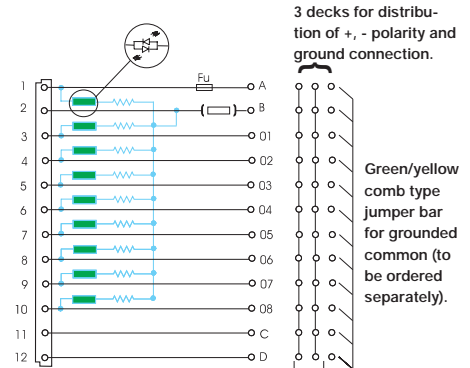
Blue schematic: products equipped with LED

Three-wire or four-wire interface with fuse and isolating switch with terminal blocks D2,5/5-T3PI-CPE

Spacing 71 mm 2.79"



Wiring and common point must be simultaneously done on the block.



+ and - commons connected using red and blue comb type jumper bar delivered mounted.

Blue schematic: products equipped with LED

Fuse type: 297 Series Littlefuse

Part numbers

8 channels without LED	0
8 channels with LEDs	1

Type	Part number
BOM 8/LL/T-PI	0631 054.21
BOM 8/LL/TL-PI	0631 052.27

Type	Part number
BOM 8/FS/T-PI	0631 062.21
BOM 8/FS/TL-PI	0631 060.03

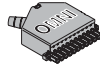
Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Max. voltage	250 V AC/DC	30 V DC	32 V AC/DC	30 V DC
Maximum current per point	2 A		2 A	
Max. current in common wires	5 A		5 A	
Current per LED		5 mA		5 mA
Fuse on the power supply			5 A	
Fuse per point				
Test voltage				
Operating temperature	- 20°C to + 75°C	- 20°C to + 60°C	- 20°C to + 50°C	
Storage temperature		- 40°C to + 80°C	- 40°C to + 80°C	
Type of connector	Omniconnect plug 12 poles		Omniconnect plug 12 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

Accessories

	Type	P/N	Type	P/N
1, 2, 3, 4	1 Comb jumper Red	PCMS Other numbers 12 poles 0205 532.23	PCMS Other numbers 12 poles 0205 532.23	
	2 Comb jumper Blue	PCMS of poles. Please 12 poles 0205 533.24	PCMS of poles. Please 12 poles 0205 533.24	
	3 Comb jumper Grey	PCMS see accessories 12 poles 0205 531.22	PCMS see accessories 12 poles 0205 531.22	
	4 Comb jumper Green/Yellow	PCMS chapter. 12 poles 0205 534.25	PCMS chapter. 12 poles 0205 534.25	
5	5 MS plug			
6	6 Test plug			
7	7 Fuse plug			
8	8 Omniconnect plug	CPFT2 12 poles See section on accessories	BFMS AUTO See section on accessories	
R	R See section on marking methods	RC55	CPFT2 12 poles See section on accessories	
			RC55	

interfast MS

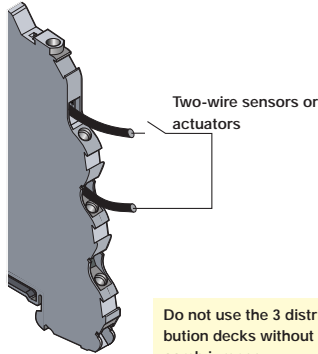


PLC connection interface
8 channels
with screw-clamp connection
Omniconnect product range



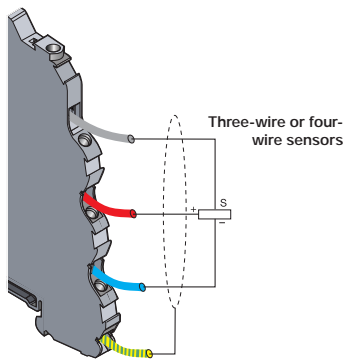
Applications

Two-wire Interface



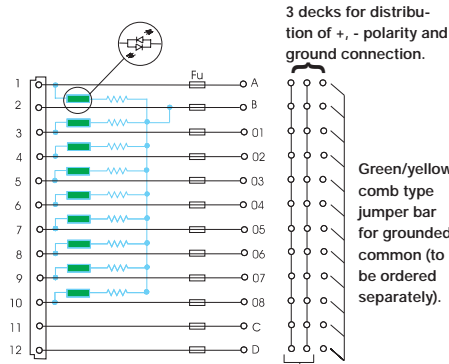
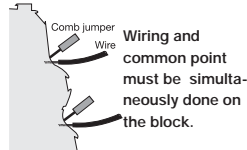
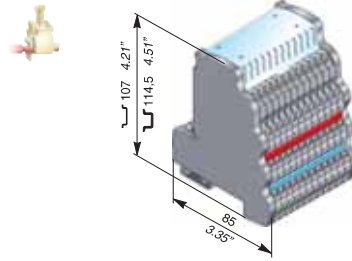
Do not use the 3 distribution decks without the comb jumper.

Three-wire / four-wire Interface



Three-wire or four-wire interface with fuse on each I/O with terminal blocks D2,5/5-SFA-T3PI-CPE

Spacing 71 mm 2.79"



Green/yellow comb type jumper bar for grounded common (to be ordered separately).

+ and - commons connected using red and blue comb type jumper bar delivered mounted.

Blue schematic: products equipped with LED

Fuse type: 297 Series Littlefuse

Part numbers

8 channels without LED	0
8 channels with LEDs	1

Type	Part number
BOM 8/FF/TF-PI 0	0631 098.26
BOM 8/FF/TFL-PI 1	0631 096.14

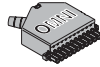
Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Max. voltage	32 V AC/DC	30 V DC		
Maximum current per point		2 A		
Max. current in common wires		5 A		
Current per LED		5 mA		
Fuse on the power supply		5 A		
Fuse per point				
Test voltage				
Operating temperature	- 20°C to + 50°C			
Storage temperature	- 40°C to + 80°C			
Type of connector	Omniconnect plug 12 poles			
Wire capacity	0-2,5 mm ²			

Accessories

	Type	P/N	Type	P/N
1, 2, 3, 4	1 Comb jumper Red	PCMS	12 poles	0205 532.23
	2 Comb jumper Blue	PCMS	12 poles	0205 533.24
	3 Comb jumper Grey	PCMS	12 poles	0205 531.22
	4 Comb jumper Green/Yellow	PCMS	12 poles	0205 534.25
5	5 MS plug			
6	6 Test plug			
7	7 Fuse plug	BFMS AUTO	See section on accessories	
8	8 Omniconnect plug	CPFT2 12 poles	See section on accessories	
R	R See section on marking methods	RC55		

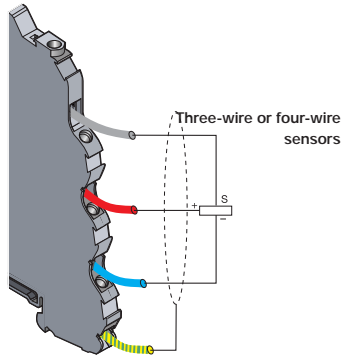
interfast MS



PLC connection interface
8 channels
with screw-clamp connection
Omniconnect product range
DIN 3

Applications

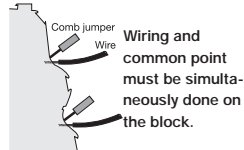
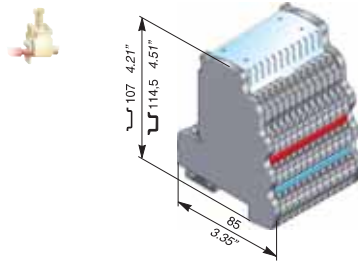
Three-wire / four-wire
Interface



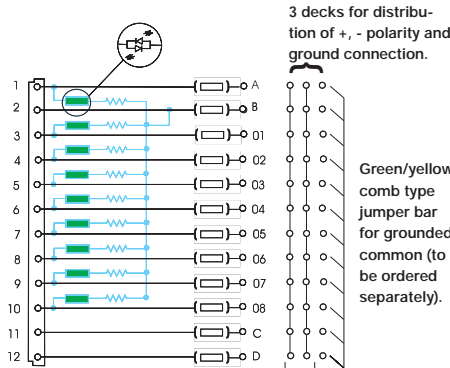
Do not use the 3 distribution decks without the comb jumper.

Interruptible three-wire or four-wire interface with terminal blocks D2,5/5-SNB-T3PI-CPE

Spacing 71 mm 2.79"



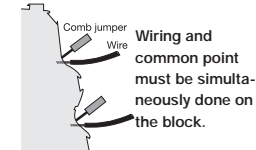
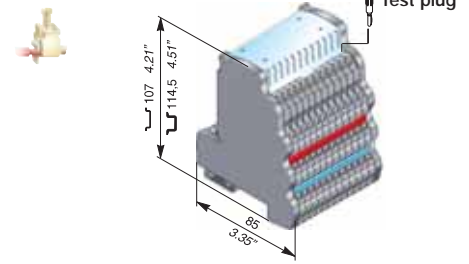
Wiring and common point must be simultaneously done on the block.



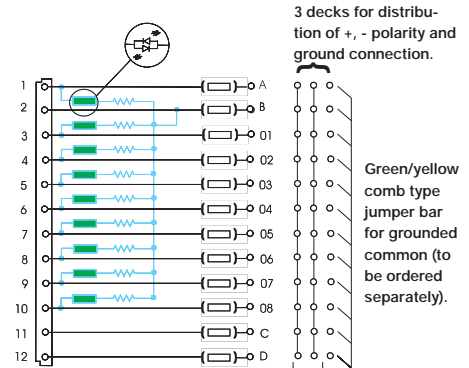
Blue schematic: products equipped with LED

Interruptible three-wire or four-wire interface with test points with terminal blocks D2,5/5-SNBT-T3PI-CPE

Spacing 71 mm 2.79"



Wiring and common point must be simultaneously done on the block.



Blue schematic: products equipped with LED

Part numbers

8 channels without LED 0

8 channels with LEDs 1

Type

BOM 8/SS/TS-PI 0

BOM 8/SS/TSL-PI 1

Part number

0631 082.16

0631 080.20

Type

BOM 8/SS/TS1-PI 0

BOM 8/SS/TS1L-PI 1

Part number

0631 118.26

0631 116.14

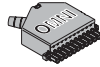
Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 V DC	250 V AC/DC	30 V DC
Maximum current per point	2 A		2 A	
Maximum current in common wires	5 A		5 A	
Current per LED		5 mA		5 mA
Fuse on the power supply				
Fuse per point				
Test voltage				
Operating temperature	- 20°C to + 75°C	- 20°C to + 60°C	- 20°C to + 75°C	- 20°C to + 60°C
Storage temperature		- 40°C to + 80°C		- 40°C to + 80°C
Type of connector	Omniconnect plug 12 poles		Omniconnect plug 12 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

Accessories

	Type	P/N	Type	P/N
1, 2, 3, 4	1 Comb jumper Red	PCMS Other numbers 12 poles 0205 532.23	PCMS Other numbers 12 poles 0205 532.23	
	2 Comb jumper Blue	PCMS of poles. Please 12 poles 0205 533.24	PCMS of poles. Please 12 poles 0205 533.24	
	3 Comb jumper Grey	PCMS see accessories section. 12 poles 0205 531.22	PCMS see accessories section. 12 poles 0205 531.22	
	4 Comb jumper Green/Yellow	PCMS 12 poles 0205 534.25	PCMS 12 poles 0205 534.25	
	5 MS plug			
	6 Test plug			
	7 Fuse plug			
	8 Omniconnect plug	CPFT2 12 poles See section on accessories	CPFT2 12 poles See section on accessories	
	R See section on marking methods	RC55	RC55	
			FC2	Ø 2 mm 0007 865.26

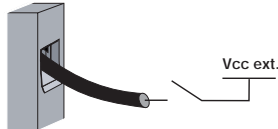
interfast MS



PLC connection interface
16 channels
with screw-clamp connection
Omniconnect product range

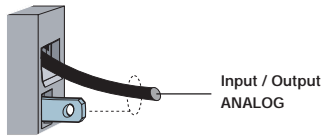
DIN 3
Applications

Single-wire
Interface



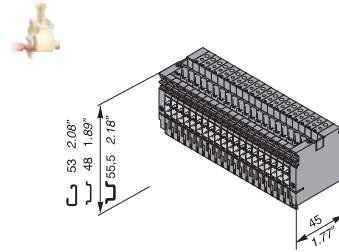
B
1

Single-wire
Interface
with shield connector

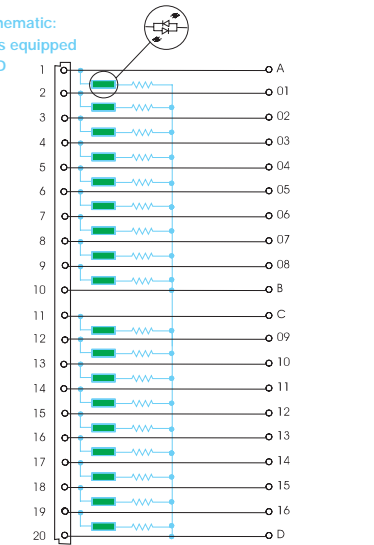


Single-wire interface with terminal blocks MA2,5/5-CPE

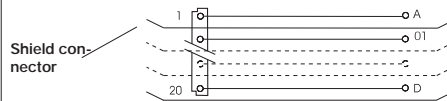
Spacing 112 mm 4.41"



Blue schematic:
products equipped
with LED

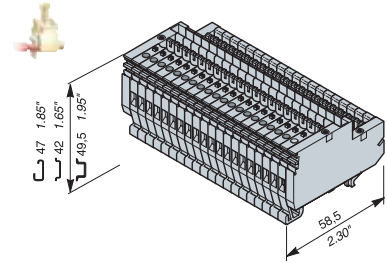


Shield continuity is possible using CBM5 or CBM6 jumper bars (see accessories).

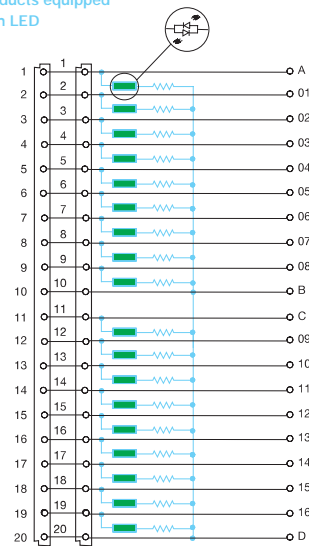


Single-wire interface with terminal blocks MA2,5/5-2CPE

Spacing 112 mm 4.41"



Blue schematic:
products equipped
with LED



Part numbers

16 channels without LED



Type

BOM-16

Part number

0621 017.12

Type

BOM-16

Part number

0631 005.21

16 channels with LEDs



BOM-16-L

0621 019.24

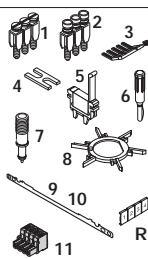
BOM-16-L

0631 007.23

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 V DC	250 V AC/DC	30 V DC
Maximum current per point		2 A		2 A
Maximum current in common wires		5 A		5 A
Current per LED		5 mA		5 mA
Fuse on the power supply				
Fuse per point				
Test voltage	3 kV	0,5 kV	3 kV	0,5 kV
Operating temperature	- 20°C to + 75°C	- 20°C to + 60°C	- 20°C to + 75°C	- 20°C to + 60°C
Storage temperature		- 40°C to + 80°C		- 40°C to + 80°C
Type of connector	Omniconnect plug 20 poles		Omniconnect plug 20 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

Accessories

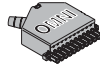


Type	P/N
1 Jumper bar	See section on accessories
2 Jumper bar	See section on accessories
3 Comb jumper	See section on accessories
4 Connector plate	0173 627.21
5 Fuse plug	
6 Test plug	FC2 Ø 2 mm 0007 865.26
7 Test device	DCB blue 0105 028.21
8 Coding	COC1 blue 0299 777.16
9 Shield connector th. 0,5	CBM5 0178 745.14
10 Shield connector th. 0,8	CBM8 0178 746.15
11 Omniconnect plug	CPFT2 20 poles See section on accessories
R See section on marking methods	RC510 20 poles See section on accessories

Type	P/N
1 Jumper bar	See section on accessories
2 Jumper bar	See section on accessories
3 Comb jumper	See section on accessories
4 Connector plate	0173 627.21
5 Fuse plug	
6 Test plug	FC2 Ø 2 mm 0007 865.26
7 Test device	DCB blue 0105 028.21
8 Coding	COC1 blue 0299 777.16
9 Shield connector th. 0,5	CBM5 0178 745.14
10 Shield connector th. 0,8	CBM8 0178 746.15
11 Omniconnect plug	CPFT2 20 poles See section on accessories
R See section on marking methods	RC510 20 poles See section on accessories

Type	P/N
1 Jumper bar	See section on accessories
2 Jumper bar	See section on accessories
3 Comb jumper	See section on accessories
4 Connector plate	0173 627.21
5 Fuse plug	
6 Test plug	FC2 Ø 2 mm 0007 865.26
7 Test device	DCB blue 0105 028.21
8 Coding	COC1 blue 0299 777.16
9 Shield connector th. 0,5	CBM5 0178 745.14
10 Shield connector th. 0,8	CBM8 0178 746.15
11 Omniconnect plug	CPFT2 20 poles See section on accessories
R See section on marking methods	RC510 20 poles See section on accessories

interfast MS

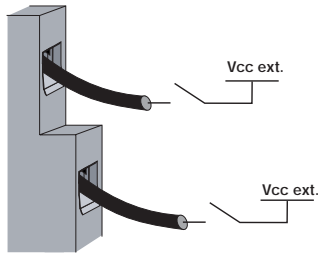


PLC connection interface
2x16 channels
with screw-clamp connection
Omniconnect product range

DIN 3

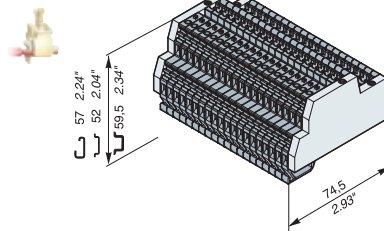
Applications

Single-wire
Interface

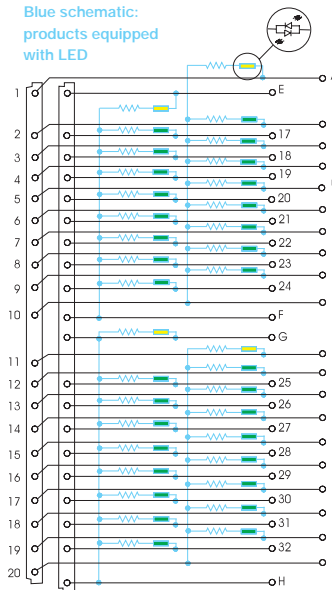


Single-wire compact interface with terminal blocks MA2,5/5D2-2CPE

Spacing 112 mm 4.41"



Blue schematic:
products equipped
with LED



Part numbers

	Type	Part number
2x16 channels without compact LED	B2OM-32	0631 001.25
2x16 channels with compact LEDs	B2OM-32-L	0631 003.27

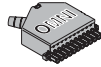
Characteristics

	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 V DC
Maximum current per point		2 A
Maximum current in common wires		5 A
Current per LED		5 mA
Fuse on the power supply		
Fuse per point		
Test voltage	3 kV	0,5 kV
Operating temperature	- 20°C to + 75°C	- 20°C to + 60°C
Storage temperature		- 40°C to + 80°C
Type of connector	2 Omniconnect plugs 20 poles	
Wire capacity	0-2,5 mm ²	

Accessories

	Type	P/N
1 Jumper bar	BJM5	See section on accessories
2 Jumper bar	BJMI5	See section on accessories
3 Comb jumper	PC5	See section on accessories
4 Connector plate	EL6	0173 627.21
5 Fuse plug		
6 Test plug	FC2	∅ 2 mm 0007 865.26
7 Test device	DCB	0105 028.21
8 Coding	COC1	blue 0299 777.16
9 Omniconnect plug	CPFT2	
R See section on marking methods	RC510 20 poles	See section on accessories

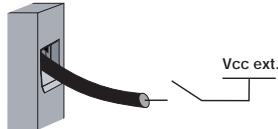
interfast MS



PLC connection interface
16 channels
with screw-clamp connection
Omniconnect product range
DIN 3

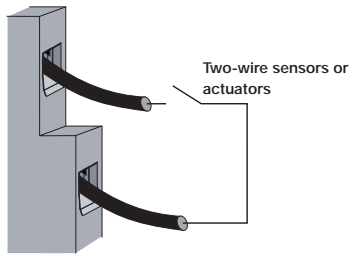
Applications

Single-wire
Interface



B
1

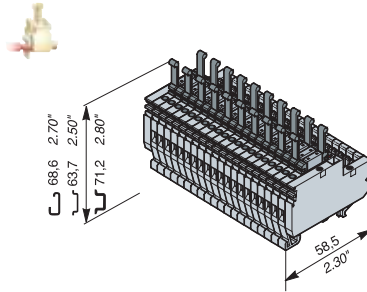
Two-wire
Interface



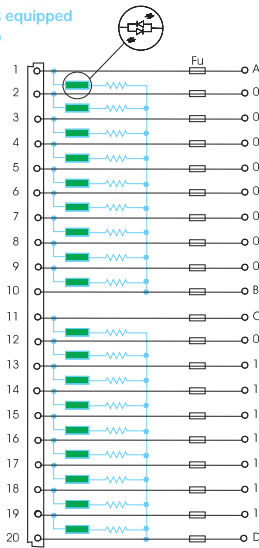
Single-wire interface

with fuse on each I/O
with terminal blocks MA2,5/5-SFA-CPE

Spacing 112 mm 4.41"



Blue schematic:
products equipped
with LED

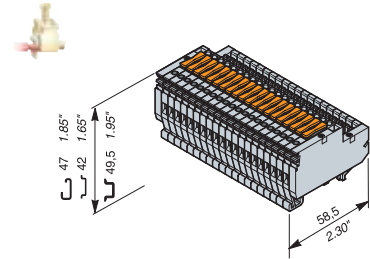


Fuse type: 297 Series Littlefuse

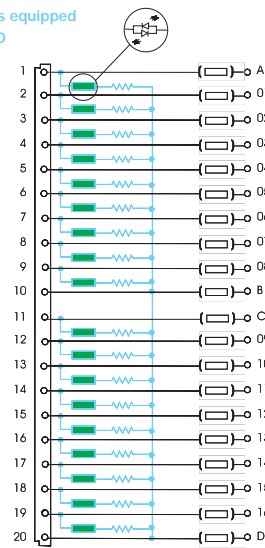
Interruptible single-wire interface

with terminal blocks MA2,5/5-SNB-CPE

Spacing 112 mm 4.41"



Blue schematic:
products equipped
with LED



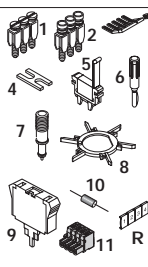
Page numbers

Type	Page number	Type	Page number
16 channels without LED	2	BOM-16-F	0631 013.10
16 channels with LEDs	3	BOM-16-LF	0631 015.12
		BOM-16-S	0631 017.14
		BOM-16-SL	0631 019.26

Characteristics

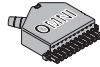
	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	32 V AC/DC	30 V DC	250 V AC/DC	30 V DC
Maximum current per point		2 A		2 A
Maximum current in common wires		3 A		5 A
Current per LED		5 mA		5 mA
Fuse on the power supply		3 A		
Fuse per point		2 A		
Test voltage	0,5 kV	0,5 kV	3 kV	0,5 kV
Operating temperature	- 20°C to + 50°C		- 20°C to + 70°C	- 20°C to + 55°C
Storage temperature	- 40°C to + 80°C		- 40°C to + 80°C	
Type of connector	Omniconnect plug 20 poles		Omniconnect plug 20 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

Accessories



Type	P/N	Type	P/N
PC5	See section on accessories	PC5	See section on accessories
BF5 AUTO	See section on accessories	FC2	∅ 2 mm 0007 865.26
DCB	blue 0105 028.21	DCB	blue 0105 028.21
COC1	0299 777.16	COC1	0299 777.16
CPFT2 20 poles	See section on accessories	CPFT2 20 poles	See section on accessories
RC510		RC510	

interfast MS

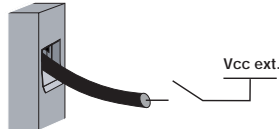


PLC connection interface
16 channels
with screw-clamp connection
Omniconnect product range

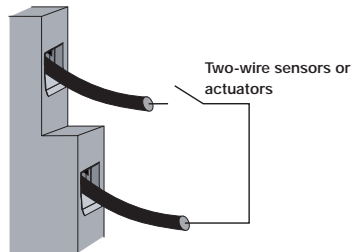
DIN 3

Applications

Single-wire
Interface

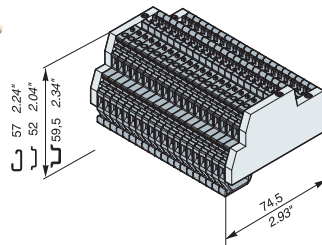


Two-wire
Interface

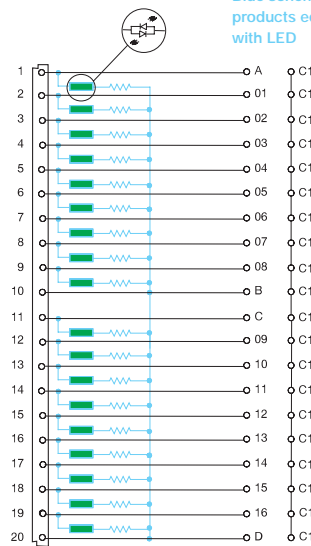


Two-wire interface with terminal blocks MA2,5/5D2-2CPE

Spacing 112 mm 4.41"



Blue schematic:
products equipped
with LED



Page numbers

	Type	Page number
16 channels without LED	BOM-16-B	0631 025.14
16 channels with LEDs	BOM-16-BL	0631 027.16

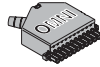
Characteristics

	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 V DC
Maximum current per point		2 A
Maximum current in common wires		5 A
Current per LED		5 mA
Fuse on the power supply		
Fuse per point		
Test voltage	3 kV	0,5 kV
Operating temperature	- 20°C to + 75°C	- 20°C to + 60°C
Storage temperature		- 40°C to + 80°C
Type of connector	Omniconnect plug 20 poles	
Wire capacity	0-2,5 mm ²	

Accessories

	Type	P/N
1 Jumper bar	BJM5	See section on accessories
2 Jumper bar	BJMI5	See section on accessories
3 Comb jumper	PC5	See section on accessories
4 Connector plate	EL6	0173 627.21
5 Fuse plug		
6 Test plug	FC2	∅ 2 mm 0007 865.26
7 Test device	DCB	blue 0105 028.21
8 Coding	COC1	0299 777.16
9 Plug with solder tags		
10 Soldered fuses		
11 Omniconnect plug	CPFT2 20 poles	See section on accessories
R See section on marking methods	RC510	

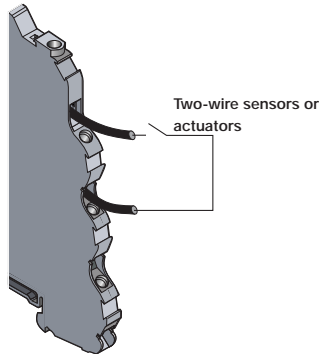
interfast MS



PLC connection interface
16 channels
with screw-clamp connection
Omniconnect product range

DIN 3
Applications

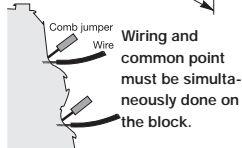
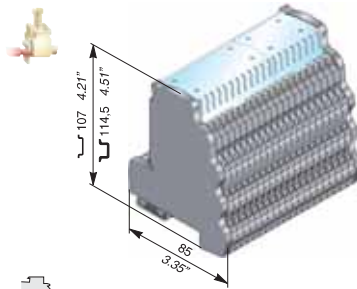
Two-wire
Interface



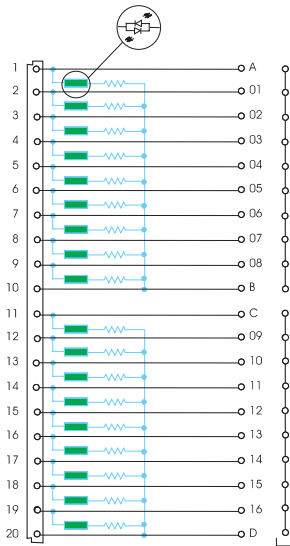
Do not use the 3 distribution decks without the comb jumper.

Two-wire interface with terminal blocks D2,5/5-D2-CPE

Spacing 112 mm 4.41"



Wiring and common point must be simultaneously done on the block.

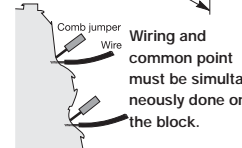
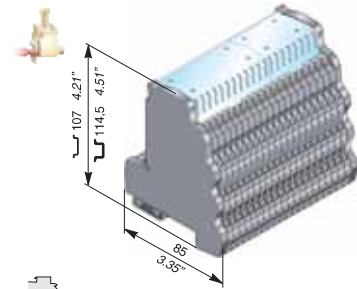


Commons connected using grey comb type jumper bar delivered mounted.

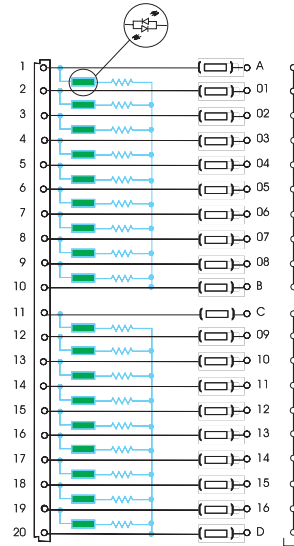
Blue schematic: products equipped with LED

Interruptible two-wire interface with terminal blocks D2,5/5-SNB-D2-CPE

Spacing 112 mm 4.41"



Wiring and common point must be simultaneously done on the block.



Commons connected using grey comb type jumper bar delivered mounted.

Blue schematic: products equipped with LED

Part numbers

16 channels without LED	2
16 channels with LEDs	3

Type	Part number
BOM 16/LL/B	0631 031.12
BOM 16/LL/BL	0631 029.20

Type	Part number
BOM 16/SS/BS	0631 067.26
BOM 16/SS/BSL	0631 065.24

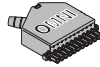
Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 V DC	250 V AC/DC	30 V DC
Maximum current per point	2 A		2 A	
Maximum current in common wires	5 A		5 A	
Current per LED		5 mA		5 mA
Fuse on the power supply				
Fuse per point				
Test voltage				
Operating temperature	- 20°C to + 75°C	- 20°C to + 60°C	- 20°C to + 70°C	- 20°C to + 55°C
Storage temperature		- 40°C to + 80°C		- 40°C to + 80°C
Type of connector	Omniconnect plug 20 poles		Omniconnect plug 20 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

Accessories

	Type	P/N	Type	P/N
1, 2, 3, 4	1 Comb jumper Red	PCMS	10 poles	0205 524.23
2	2 Comb jumper Blue	PCMS	10 poles	0205 525.24
3	3 Comb jumper Grey	PCMS	10 poles	0205 523.22
4	4 Comb jumper Green/Yellow	PCMS	10 poles	0205 526.25
5	5 MS plug			
6	6 Test plug			
7	7 Fuse plug			
8	8 Omniconnect plug	CPFT2	20 poles See section on accessories	CPFT2 20 poles See section on accessories
R	R See section on marking methods	RC55		RC55

interfast MS

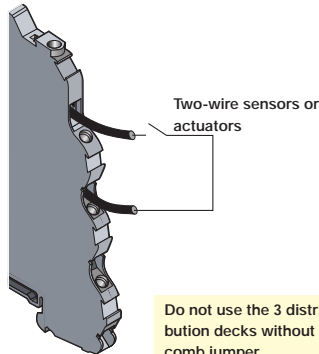


PLC connection interface
16 channels
with screw-clamp connection
Omniconnect product range

DIN 3

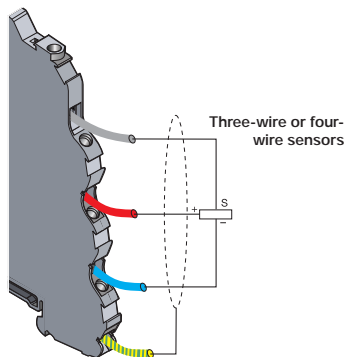
Applications

Two-wire Interface



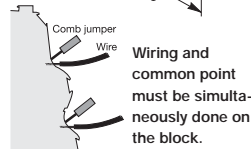
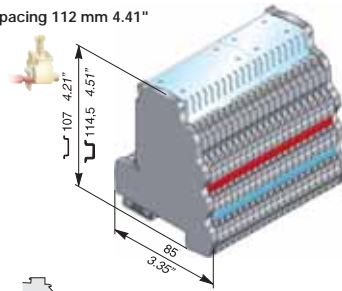
Do not use the 3 distribution decks without the comb jumper.

Three-wire / four-wire Interface



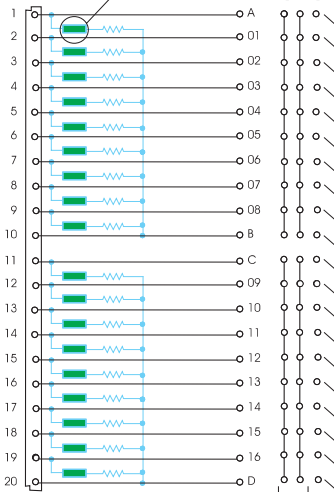
Three-wire or four-wire interface with terminal blocks D2,5/5-T3PI-CPE

Spacing 112 mm 4.41"



Wiring and common point must be simultaneously done on the block.

3 decks for distribution of +, - polarity and ground connection.

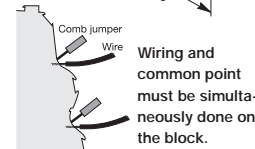
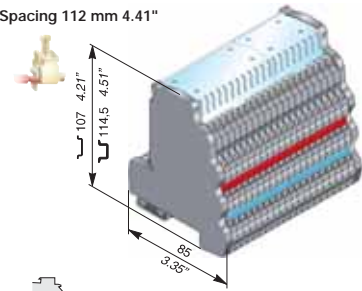


Blue schematic: products equipped with LED

+ and - commons connected using red and blue comb type jumper bar delivered mounted.

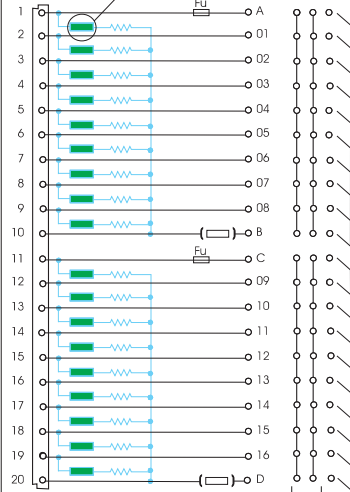
Three-wire or four-wire interface with fuse and isolating switch with terminal blocks D2,5/5-T3PI-CPE

Spacing 112 mm 4.41"



Wiring and common point must be simultaneously done on the block.

3 decks for distribution of +, - polarity and ground connection.



Blue schematic: products equipped with LED

+ and - commons connected using red and blue comb type jumper bar delivered mounted.

Green/yellow comb type jumper bars for grounded common (to be ordered separately).

Fuse type: 297 Series Littlefuse

Part numbers

16 channels without LED	2
16 channels with LEDs	3

Type	Part number
BOM 16/LL/T-PI	0631 055.22
BOM 16/LL/TL-PI	0631 053.20

Type	Part number
BOM 16/FS/T-PI	0631 063.22
BOM 16/FS/TL-PI	0631 061.20

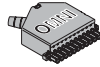
Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 V DC	32 V AC/DC	30 V DC
Maximum current per point	2 A		2 A	
Maximum current in common wires	5 A		5 A	
Current per LED		5 mA		5 mA
Fuse on the power supply			5 A	
Fuse per point				
Test voltage				
Operating temperature	- 20°C to + 75°C	- 20°C to + 60°C	- 20°C to + 50°C	
Storage temperature		- 40°C to + 80°C	- 40°C to + 80°C	
Type of connector	Omniconnect plug 20 poles		Omniconnect plug 20 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

Accessories

	Type	P/N	Type	P/N
1, 2, 3, 4	1 Comb jumper Red	PCMS Other numbers 10 poles 0205 524.23	PCMS Other numbers 10 poles 0205 524.23	
	2 Comb jumper Blue	PCMS of poles. Please 10 poles 0205 525.24	PCMS of poles. Please 10 poles 0205 525.24	
	3 Comb jumper Grey	PCMS see accessories 10 poles 0205 523.22	PCMS see accessories 10 poles 0205 523.22	
	4 Comb jumper Green/Yellow	PCMS section. 10 poles 0205 526.25	PCMS section. 10 poles 0205 526.25	
5	MS plug			
6	Test plug			
7	Fuse plug			
8	Omniconnect plug	CPFT2 20 poles See section on accessories	BFMS AUTO See section on accessories	
R	See section on marking methods	RC55	CPFT2 20 poles See section on accessories	
			RC55	

interfast MS

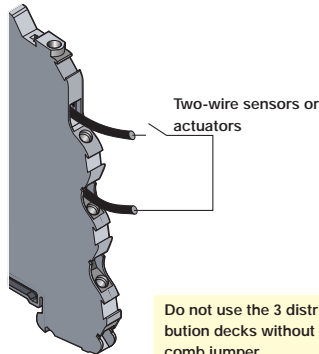


PLC connection interface
16 channels
with screw-clamp connection
Omniconnect product range

DIN 3

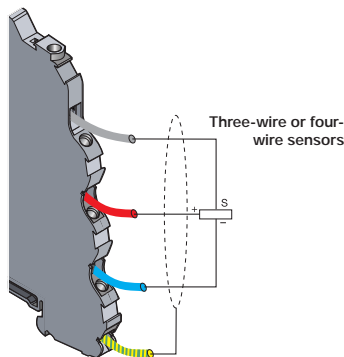
Applications

Two-wire Interface



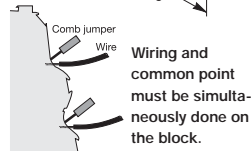
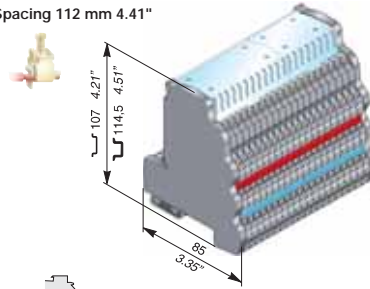
Do not use the 3 distribution decks without the comb jumper.

Three-wire / four-wire Interface



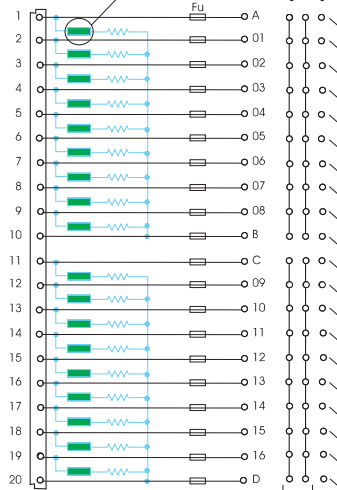
Three-wire or four-wire interface with fuse on each I/O with terminal blocks D2,5/5-SFA-T3PI-CPE

Spacing 112 mm 4.41"



Wiring and common point must be simultaneously done on the block.

3 decks for distribution of +, - polarity and ground connection.



Green/yellow comb type jumper bars for grounded common (to be ordered separately).

Blue schematic: products equipped with LED
+ and - commons connected using red and blue comb type jumper bar delivered mounted.

Fuse type: 297 Series Littlefuse

Part numbers

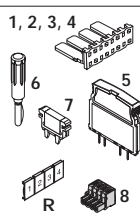
16 channels without LED	2
16 channels with LEDs	3

Type	Part number
BOM 16/FF/TF-PI	0631 099.27
BOM 16/FF/TFL-PI	0631 097.15

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	32 V AC/DC	30 V DC		
Maximum current per point		2 A		
Maximum current in common wires		5 A		
Current per LED		5 mA		
Fuse on the power supply		5 A		
Fuse per point		2 A		
Test voltage				
Operating temperature	- 20°C to + 50°C			
Storage temperature	- 40°C to + 80°C			
Type of connector	Omniconnect plug 20 poles			
Wire capacity	0-2,5 mm ²			

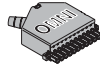
Accessories



1	Comb jumper	Red
2	Comb jumper	Blue
3	Comb jumper	Grey
4	Comb jumper	Green/Yellow
5	MS plug	
6	Test plug	
7	Fuse plug	
8	Omniconnect plug	
R	See section on marking methods	

Type	P/N	Type	P/N
PCMS	10 poles	0205 524.23	
PCMS	10 poles	0205 525.24	
PCMS	10 poles	0205 523.22	
PCMS	10 poles	0205 526.25	
BFMS AUTO	See section on accessories		
CPFT2	20 poles	See section on accessories	
RC55			

interfast MS

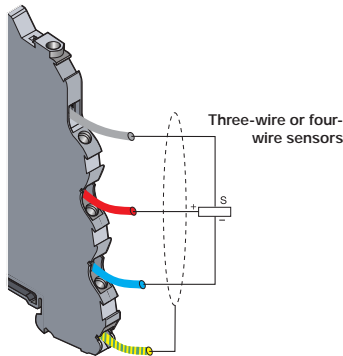


PLC connection interface
16 channels
with screw-clamp connection
Omniconnect product range

DIN 3

Applications

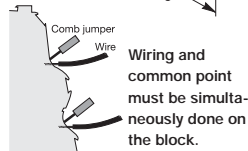
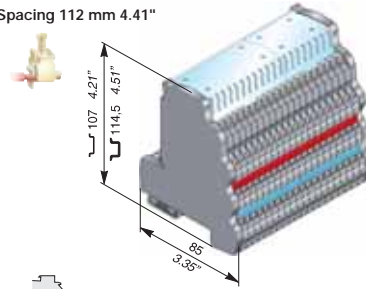
Three-wire / four-wire
Interface



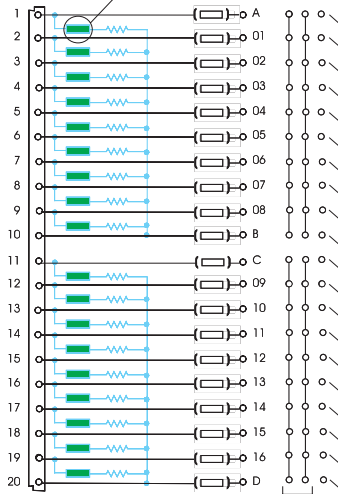
Do not use the 3 distribution decks without the comb jumper.

Interruptible three-wire or four-wire interface with terminal blocks D2,5/5-SNB-T3PI-CPE

Spacing 112 mm 4.41"



3 decks for distribution of +, - polarity and ground connection.



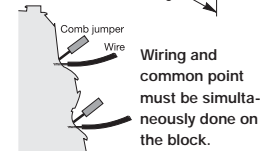
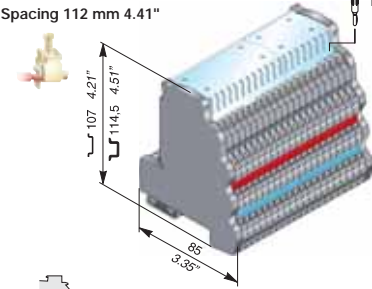
Green/yellow comb type jumper bars for grounded common (to be ordered separately).

Blue schematic: products equipped with LED

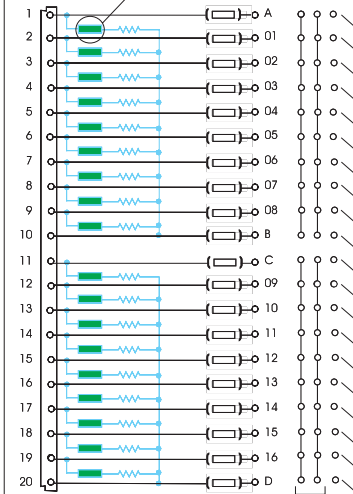
+ and - commons connected using red and blue comb type jumper bar delivered mounted.

Interruptible three-wire or four-wire interface with test points with terminal blocks D2,5/5-SNBT-T3PI-CPE

Spacing 112 mm 4.41"



3 decks for distribution of +, - polarity and ground connection.



Green/yellow comb type jumper bars for grounded common (to be ordered separately).

Blue schematic: products equipped with LED

+ and - commons connected using red and blue comb type jumper bar delivered mounted.

Part numbers

16 channels without LED	
16 channels with LEDs	

Type	Part number
BOM 16/SS/TS-PI	0631 083.17
BOM 16/SS/TS-L-PI	0631 081.15

Type	Part number
BOM 16/SS/TS1-PI	0631 119.27
BOM 16/SS/TS1L-PI	0631 117.15

Characteristics

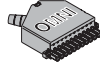
	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 V DC	250 V AC/DC	30 V DC
Maximum current per point	2 A		2 A	
Maximum current in common wires	5 A		5 A	
Current per LED		5 mA		5 mA
Fuse on the power supply				
Fuse per point				
Test voltage				
Operating temperature	- 20°C to + 70°C	- 20°C to + 55°C	- 20°C to + 70°C	- 20°C to + 55°C
Storage temperature		- 40°C to + 80°C		- 40°C to + 80°C
Type of connector	Omniconnect plug 20 poles		Omniconnect plug 20 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

Accessories

	Type	P/N	Type	P/N
1, 2, 3, 4	1 Comb jumper Red	PCMS Other numbers 10 poles 0205 524.23	PCMS Other numbers 10 poles 0205 524.23	
	2 Comb jumper Blue	PCMS of poles. Please 10 poles 0205 525.24	PCMS of poles. Please 10 poles 0205 525.24	
	3 Comb jumper Grey	PCMS see accessories section. 10 poles 0205 523.22	PCMS see accessories section. 10 poles 0205 523.22	
	4 Comb jumper Green/Yellow	PCMS see accessories section. 10 poles 0205 526.25	PCMS see accessories section. 10 poles 0205 526.25	
5	5 MS plug			
6	6 Test plug		FC2	Ø 2 mm
7	7 Fuse plug			
8	8 Omniconnect plug	CPFT2 20 poles See section on accessories	CPFT2 20 poles See section on accessories	
R	R See section on marking methods	RC55	RC55	

interfast MS

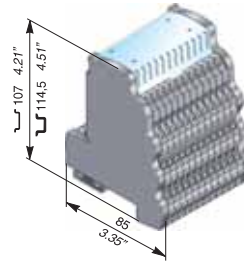
PLC decoupling interface
8 relay outputs
Omniconnect product range



Spacing 71 mm 2.79"



8 N relays 1RT output terminal



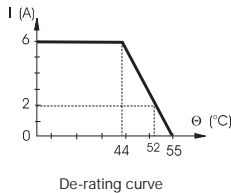
Terminal block assembly equipped with 1 removable 12 pole comb type jumper bar: removal makes independant outputs possible.

B

2

Part numbers

The units are delivered equipped with relays.
The relays are also available separately (see ordering part numbers, right column).



Pluggable relay.

Type	P/N	plug only
------	-----	-----------

BRI 821 N	24 V DC	0631 143.27
------------------	---------	--------------------

Output optos with 24 VDC input voltage can be mixed and matched.

Type		P/N
BNMS P24V-3	100 mA/48 V (Red)	0031 810.12
BNMS P24V-1	2 A/24 V (Red)	0031 815.03
BNMS P24V-2	1 A/48 V (Red)	0031 819.17
BNMS N24V-3	100 mA/48 V (Red)	0031 807.14
BNMS N24V-1	2 A/24 V (Red)	0031 813.01
BNMS N24V-2	1 A/48 V (Red)	0031 817.05

See end of accessories section for characteristics.

Spare relay plugs:

Type		P/N
R24V-1	6 A/250 V (Ivory)	0031 820.14

See end of accessories section for characteristics.

Approval

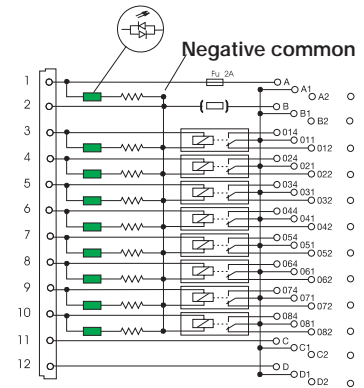


Characteristics

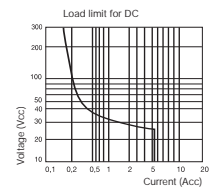
COIL	
Rated voltage	+ 20%, - 15% 24 V DC
Rated current threshold	17 mA
Trip voltage	1,2 V
CONTACT	
Type	1 RT
Voltage mini. / max.	12 V / 250 V AC
Switching current mini. / max.	10 mA / 6 A
Breaking capacity	0,6 VA / 1500 VA (resistance)
	0,6 W / 140 W
Maximum load	
Number of operations on load	1 x 10⁵ in AC15
Number of operations off load	10 x 10⁶
Operating speed	6 ms / 8 ms
Bounce	1,5 ms
Isolation Coil / Contact	4 kV
Resistance to shock waves Coil / Contact	4 kV
Isolation Contact / Contact	1 kV
TEMPERATURE	
Ambient temperature	Storage - 40°C to + 80°C
	Operating - 20°C to + 55°C
Wire capacity	0 - 2,5 mm²

Wiring diagram

Terminal with negative common connection.



Terminal compatible with automate output cards with positive common connection.



	DC12	AC12	DC13	AC15
24 V	6 A	6 A	1 A	3 A
110/120 V	0,3 A	6 A	0,2 A	3 A
220/230 V	0,2 A	6 A	0,1 A	3 A

Accessories

	Type	P/N
1 Comb-type jumper bar	PCMS	See section on accessories.
2 Fuse-holder plug	BFMS AUTO	See section on accessories.
R See section on marking methods.	RC55	

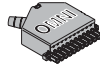
Fuse type: 297 Series Littlefuse

interfast MS

PLC decoupling interface
8 relay outputs
Omniconnect product range

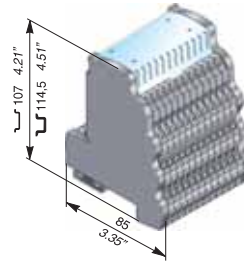


DIN 3



8 N/P relays 1RT relay output terminal

Spacing 71 mm 2.79"



Terminal block assembly equipped with 1 removable 12 pole comb type jumper bar: removal makes independant outputs possible.

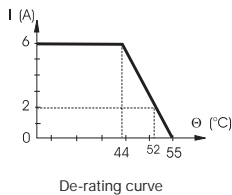
Pluggable relay.

Part numbers

The units are delivered equipped with relays.
The relays are also available separately (see ordering part numbers, right column).

Type	P/N	plug only
BRI 821 N/P	24 V DC	0631 182.17
Spare relay plugs:		
Type		P/N
R24V-1	6 A/250 V (Ivory)	0031 820.14

Output optos with 24 VDC input voltage can be mixed and matched. See end of accessories section for characteristics.



Type		P/N
BNMS P24V-3	100 mA/48 V (Red)	0031 810.12
BNMS P24V-1	2 A/24 V (Red)	0031 815.03
BNMS P24V-2	1 A/48 V (Red)	0031 819.17
BNMS N24V-3	100 mA/48 V (Red)	0031 807.14
BNMS N24V-1	2 A/24 V (Red)	0031 813.01
BNMS N24V-2	1 A/48 V (Red)	0031 817.05

See end of accessories section for characteristics.

Approval

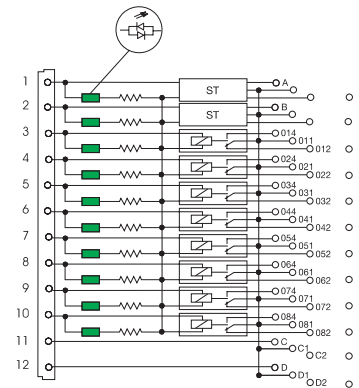


Characteristics

COIL	
Rated voltage	+ 20%, - 15% 24 V DC
Rated current threshold	17 mA
Trip voltage	1,2 V
CONTACT	
Type	1 RT
Voltage mini. / max.	12 V / 250 V AC
Switching current mini. / max.	10 mA / 6 A
Breaking capacity AC1 mini. / max.	0,6 VA / 1500 VA (resistance)
DC1 mini. / max.	0,6 W / 140 W
Maximum load	
Number of operations on load	1 x 10⁵ in AC15
Number of operations off load	10 x 10⁶
Operating speed C/O	6 ms / 8 ms
Bounce	1,5 ms
Isolation Coil / Contact	4 kV
Resistance to shock waves Coil / Contact	4 kV
Isolation Contact / Contact	1 kV
TEMPERATURE	
Ambient temperature	Storage Operating
	- 40°C to + 80°C - 20°C to + 55°C
Wire capacity	0 - 2,5 mm²

Wiring diagram

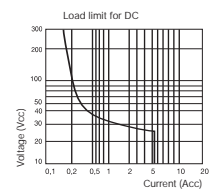
Terminal negative or positive common connection.



Delivered mounted with negative common.
Terminal compatible with automate output cards with positive or negative common connection.

Fuse and strap plugs allowing either a common - or a common +.

DELIVERED WITH NEGATIVE COMMON



	DC12	AC12	DC13	AC15
24 V	6 A	6 A	1 A	3 A
110/120 V	0,3 A	6 A	0,2 A	3 A
220/230 V	0,2 A	6 A	0,1 A	3 A

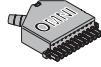
Accessories

	Type	P/N
1 Comb-type jumper bar	PCMS	See section on accessories.
2 Fuse-holder plug	BFMS AUTO	See section on accessories.
R See section on marking methods.	RC55	

interfast MS

PLC decoupling interface
16 relay outputs
Omnicomnect product range

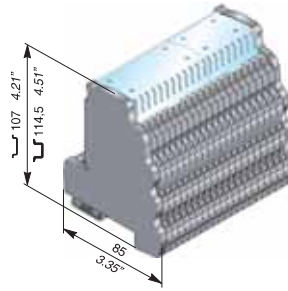
DIN 3



Spacing 112 mm 4.41"



16 N relays 1RT relay output terminal

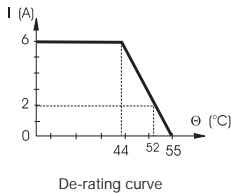


Terminal block assembly equipped with 2 removable 10 pole comb type jumper bars: removal makes independent outputs possible.

Pluggable relay.

Part numbers

The units are delivered equipped with relays.
The relays are also available separately (see ordering part numbers, right column).



Type	P/N	plug only
BRI 1621 N	24 V DC	0631 125.15

Output optos with 24 VDC input voltage can be mixed and matched.

Type		P/N
BNMS P24V-3	100 mA/48 V (Red)	0031 810.12
BNMS P24V-1	2 A/24 V (Red)	0031 815.03
BNMS P24V-2	1 A/48 V (Red)	0031 819.17
BNMS N24V-3	100 mA/48 V (Red)	0031 807.14
BNMS N24V-1	2 A/24 V (Red)	0031 813.01
BNMS N24V-2	1 A/48 V (Red)	0031 817.05

See end of accessories section for characteristics.

Spare relay plugs:

Type	P/N
R24V-1	0031 820.14

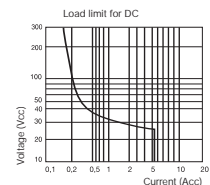
See end of accessories section for characteristics.

Approval



Characteristics

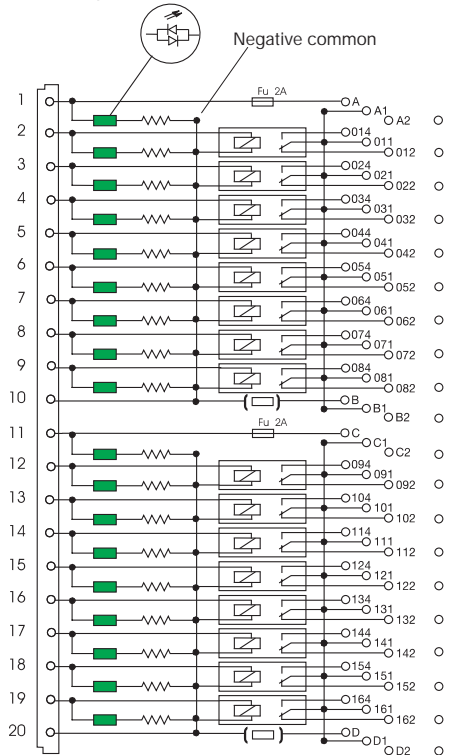
COIL	
Rated voltage	+ 20%, - 15% 24 V DC
Rated current threshold	17 mA
Trip voltage	1,2 V
CONTACT	
Type	1 RT
Voltage mini. / max.	12 V / 250 V AC
Switching current mini. / max.	10 mA / 6 A
Breaking capacity	AC1 mini. / max. DC1 mini. / max. 0,6 VA / 1500 VA (resistance) 0,6 W / 140 W
Maximum load	
Number of operations on load	1 x 10⁵ in AC15
Number of operations off load	10 x 10⁶
Operating speed	C 6 ms
	O 8 ms
Bounce	1,5 ms
Isolation Coil / Contact	4 kV
Resistance to shock waves Coil / Contact	4 kV
Isolation Contact / Contact	1 kV
TEMPERATURE	
Ambient temperature	Storage Operating - 40°C to + 80°C - 20°C to + 55°C
Wire capacity	
	0 - 2,5 mm²



	DC12	AC12	DC13	AC15
24 V	6 A	6 A	1 A	3 A
110/120 V	0,3 A	6 A	0,2 A	3 A
220/230 V	0,2 A	6 A	0,1 A	3 A

Wiring diagram

Terminal with negative common connection.



Fuse type: 297 Series Littlefuse.

Terminal compatible with automate output cards with positive common connection.

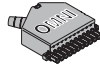
Accessories

	Type	P/N
1 Comb-type jumper bar	PCMS	See section on accessories.
2 Fuse-holder plug	BFMS AUTO	See section on accessories.
R See section on marking methods.	RC55	

interfast MS

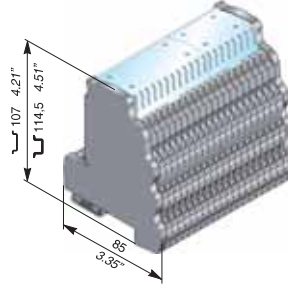
PLC decoupling interface
16 relay outputs
Omniconnect product range

DIN 3



16 N/P relays 1RT relay output terminal

Spacing 112 mm 4.41"



Terminal block assembly equipped with 2 removable 10 pole comb type jumper bars: removal makes independent outputs possible.

Pluggable relay.

Part numbers

The units are delivered equipped with relays.
The relays are also available separately (see ordering part numbers, right column).

Type	P/N	plug only	P/N
BRI 1621 N/P	24 V DC	0631 181.16	0031 820.14

Output optos with 24 VDC input voltage can be mixed and matched.

Type	Current	Voltage	Color	P/N
BNMS P24V-3	100 mA	48 V	(Red)	0031 810.12
BNMS P24V-1	2 A	24 V	(Red)	0031 815.03
BNMS P24V-2	1 A	48 V	(Red)	0031 819.17
BNMS N24V-3	100 mA	48 V	(Red)	0031 807.14
BNMS N24V-1	2 A	24 V	(Red)	0031 813.01
BNMS N24V-2	1 A	48 V	(Red)	0031 817.05

See end of accessories section for characteristics.

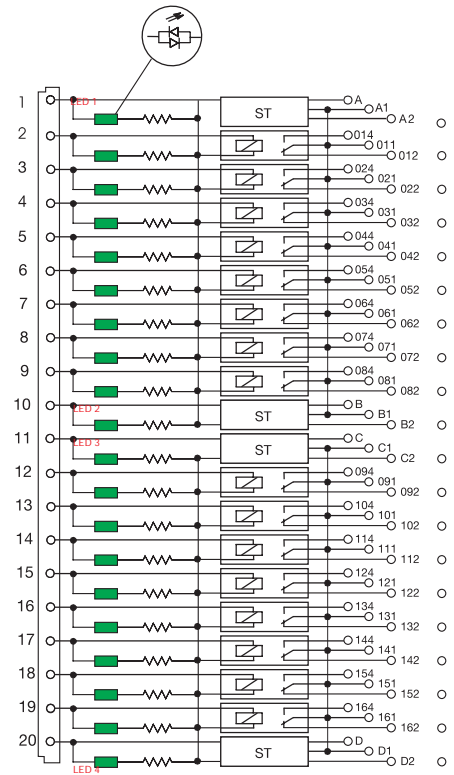
Spare relay plugs:

Type	P/N
R24V-1	6 A/250 V (Ivory)

See end of accessories section for characteristics.

Wiring diagram

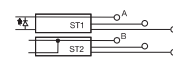
Terminal with negative or positive common connection.



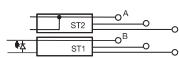
Terminal compatible with automate output cards with positive or negative common connection. Delivered mounted with negative common.

Fuse and strap plugs allowing either a common - or a common +.

Negative common

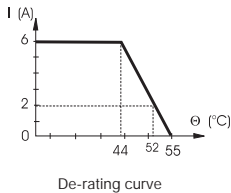


Positive common



LED 1 and 3 switched on

LED 2 and 4 switched on



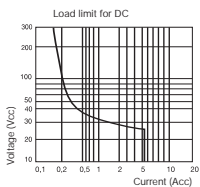
De-rating curve

Approval



Characteristics

COIL	
Rated voltage	+ 20%, - 15% 24 V DC
Rated current threshold	17 mA
Trip voltage	1,2 V
CONTACT	
Type	1 RT
Voltage mini. / max.	12 V / 250 V AC
Switching current mini. / max.	10 mA / 6 A
Breaking capacity	AC1 mini. / max. 0,6 VA / 1500 VA (resistance)
	DC1 mini. / max. 0,6 W / 140 W
Maximum load	
Number of operations on load	1 x 10 ⁵ in AC15
Number of operations off load	10 x 10 ⁶
Operating speed	C 6 ms
	O 8 ms
Bounce	1,5 ms
Isolation Coil / Contact	4 kV
Resistance to shock waves	4 kV
Isolation Contact / Contact	1 kV
TEMPERATURE	
Ambient temperature	Storage - 40°C to + 80°C
	Operating - 20°C to + 55°C
Wire capacity	
	0 - 2,5 mm ²



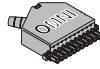
	DC12	AC12	DC13	AC15
24 V	6 A	6 A	1 A	3 A
110/120 V	0,3 A	6 A	0,2 A	3 A
220/230 V	0,2 A	6 A	0,1 A	3 A

Accessories

	Type	P/N
1 Comb-type jumper bar	PCMS	See section on accessories.
2 Fuse-holder plug	BFMS AUTO	See section on accessories.
R See section on marking methods.	RC55	

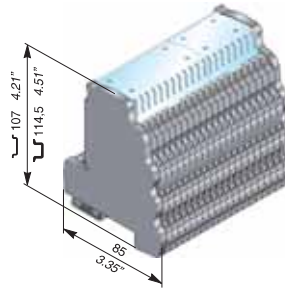
interfast MS

PLC decoupling interface
16 relay outputs
Omniconnect product range



16 N relays 1 RT relay without LED output terminal

Spacing 112 mm 4.41"

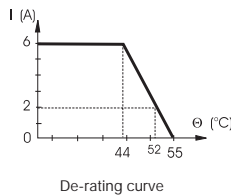


Terminal block assembly equipped with 2 removable 10 pole comb type jumper bars: removal makes independent outputs possible.

B
2

Part numbers

The units are delivered equipped with relays.
The relays are also available separately (see ordering part numbers, right column).



Pluggable relay.

Type	P/N	plug only
------	-----	-----------

Type	24 V DC	P/N
BRI 1621 N-ECO		0631 124.14
Output optos with 24 VDC input voltage can be mixed and matched.		
Type		P/N
BNMS P24V-3	100 mA/48 V (Red)	0031 810.12
BNMS P24V-1	2 A/24 V (Red)	0031 815.03
BNMS P24V-2	1 A/48 V (Red)	0031 819.17
BNMS N24V-3	100 mA/48 V (Red)	0031 807.14
BNMS N24V-1	2 A/24 V (Red)	0031 813.01
BNMS N24V-2	1 A/48 V (Red)	0031 817.05

See end of accessories section for characteristics.

Spare relay plugs:

Type	6 A/250 V (Ivory)	P/N
R24V-1		0031 820.14

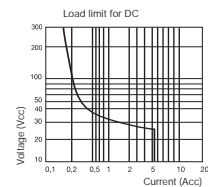
See end of accessories section for characteristics.

Approval



Characteristics

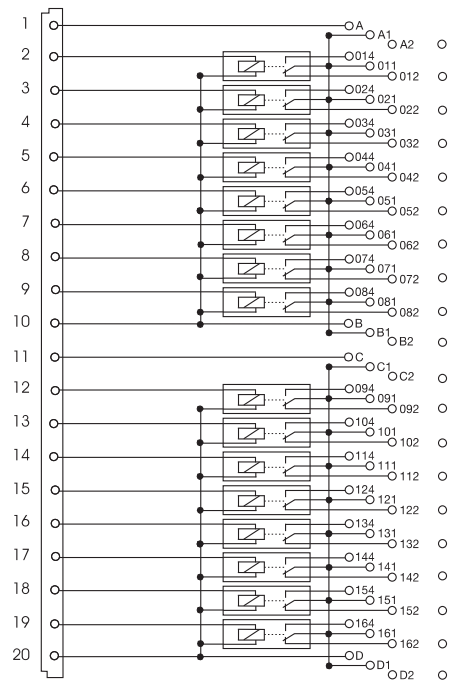
COIL	
Rated voltage	+ 20%, - 15% 24 V DC
Rated current threshold	17 mA
Trip voltage	1,2 V
CONTACT	
Type	1 RT
Voltage mini. / max.	12 V / 250 V AC
Switching current mini. / max.	10 mA / 6 A
Breaking capacity	AC1 mini. / max. DC1 mini. / max. 0,6 VA / 1500 VA (resistance) 0,6 W / 140 W
Maximum load	
Number of operations on load	1 x 10 ⁵ in AC15
Number of operations off load	10 x 10 ⁶
Operating speed	C 6 ms
	O 8 ms
Bounce	1,5 ms
Isolation Coil / Contact	4 kV
Resistance to shock waves Coil / Contact	4 kV
Isolation Contact / Contact	1 kV
TEMPERATURE	
Ambient temperature	Storage Operating - 40°C to + 80°C - 20°C to + 55°C
Wire capacity	
	0 - 2,5 mm ²



	DC12	AC12	DC13	AC15
24 V	6 A	6 A	1 A	3 A
110/120 V	0,3 A	6 A	0,2 A	3 A
220/230 V	0,2 A	6 A	0,1 A	3 A

Wiring diagram

Terminal with negative common connection.



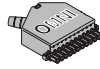
Terminal compatible with automate output cards with positive common connection.

Accessories

	Type	P/N
1 Comb-type jumper bar	PCMS	See section on accessories.
2 Fuse-holder plug	BFMS AUTO	See section on accessories.
R See section on marking methods.	RC55	

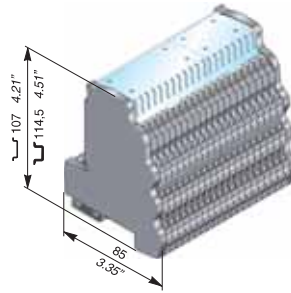
interfast MS

PLC decoupling interface
16 optocoupler inputs
Omniconnect product range



16 N/P optocouplers optocouplers input terminal

Spacing 112 mm



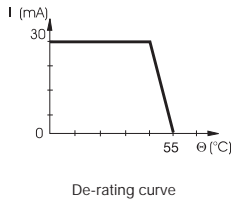
Terminal block assembly equipped with 2 removable 10 pole comb type jumper bars: removal makes independent inputs possible.

Pluggable optocoupler.
Permits electrical isolation between an AC or DC input and a 24 V DC output.
Inputs are mutually isolated for multi-source application input voltage.

Part numbers

Material in order to perform an optocoupler input terminal.

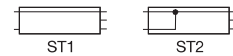
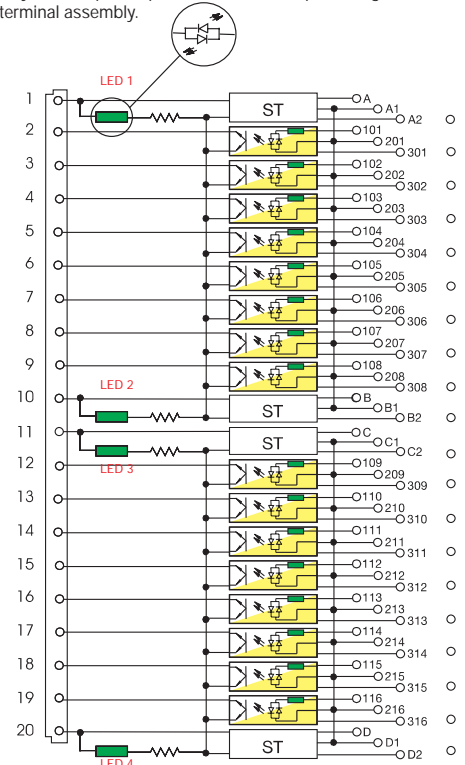
	Nb	Type	P/N
Terminal:	1	BUNI 20-L	0631 179.03
Strap plug:	2	BNMS ST1	0031 829.11
	2	BNMS ST2	0031 830.16
Optocouplers plugs:	16		
5 V DC		BNMS T5V-1	0031 831.03
24 V DC		BNMS T24V-1	0031 800.21
48 V DC		BNMS T48V-1	0031 801.16
125 V DC		BNMS T125V-1	0031 845.11
24 V AC		BNMS T24V-1	0031 802.17
48 V AC		BNMS T48V-1	0031 803.10
115 V AC		BNMS T115V-1	0031 804.11
230 V AC		BNMS T230V-1	0031 805.12



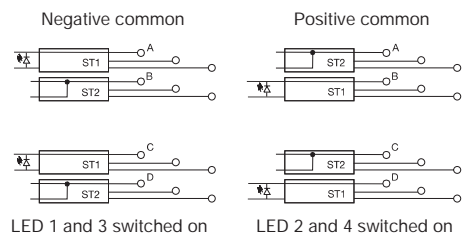
De-rating curve

Wiring diagram

Terminal with negative or positive common connection on optocouplers output.
Terminal compatible with automate input cards with positive or negative common connection.
Possibility to use optocouplers with different input voltages on the same terminal assembly.



Strap plugs allowing either a common - or a common + on optocouplers output.



LED 1 and 3 switched on

LED 2 and 4 switched on

Approval



Characteristics

INPUT	5 V DC				24 V DC		48 V DC		125 V DC						
	Input voltage	+15%, -20% DC	-10%, -15% AC								24 V AC	48 V AC	115 V AC	230 V AC	
Typical triggering at Is = 100 %	3,5 V	12 V	21 V					13 V	22 V	50 V	95 V				
Input current	6 mA	5 mA	4,1 mA					8,5 mA	4,5 mA	8 mA	7 mA				
Switching time threshold	C/O			20 µs/1,3 ms				6 ms/10 ms							
Leakage current	-	1 mA	0,8 mA					1 mA	1 mA	2 mA	2 mA				

OUTPUT

Maximum output voltage	30 V DC													
Maximum output current	30 mA / pole													
Residual voltage max. I and rated U	standard U													2,3 V DC
	max.													2,7 V DC
Input / Output isolation	2,5 kV													
Isolation between each input channel														

TEMPERATURE

Ambient temperature														
Storage	- 30°C to + 80°C													
Operating	- 20°C to + 55°C													

Wire capacity

Wire capacity	0 - 2,5 mm ²													
---------------	-------------------------	--	--	--	--	--	--	--	--	--	--	--	--	--

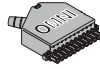
Accessories

	Type	P/N
1 Comb-type jumper bar	PCMS	See section on accessories.
2 Fuse-holder plug	BFMS AUTO	See section on accessories.
R See section on marking methods.	RC55	

interfast MS

PLC decoupling interface
16 optocoupler outputs
Omniconnect product range

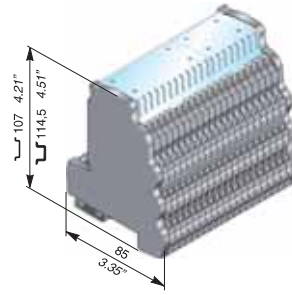
DIN 3



Spacing 112 mm



16 N/P optocouplers optocouplers output terminal

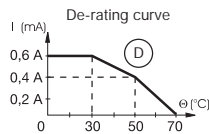
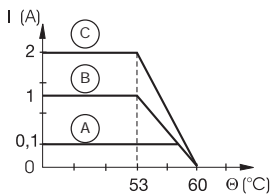


Terminal block assembly equipped with 2 removable 10 pole comb type jumper bars: removal makes independent inputs possible.

Pluggable optocoupler.
Permits electrical isolation between an AC or DC input and a 24 V DC output.

B
2

Part numbers

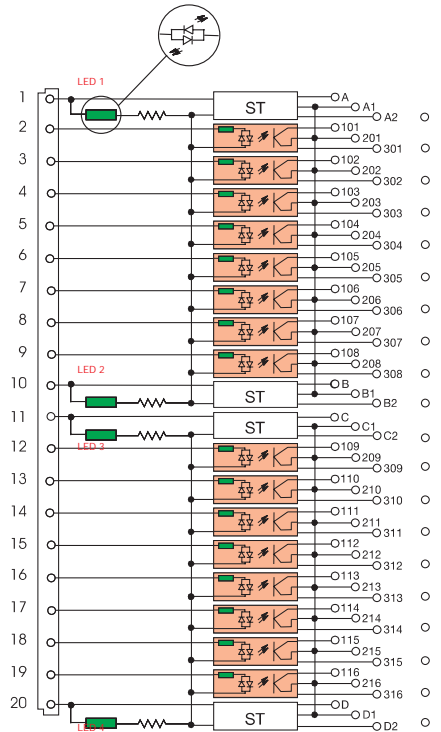


Material in order to perform an optocoupler output terminal.

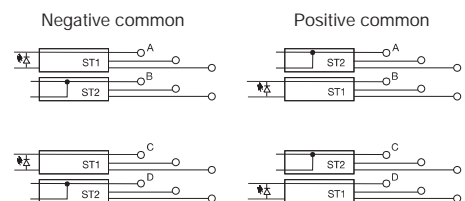
	Nb	Type	P/N
Terminal:	1	BUMI 20-L	0631 179.03
Strap plug:	2	BNMS ST1	0031 829.11
	2	BNMS ST2	0031 830.16
Optocouplers plugs: 16			
Ⓐ 48 V DC / 100 mA PNP	1	BNMS P24V-3	0031 810.12
	1	BNMS N24V-3	0031 807.14
Ⓑ 48 V DC / 1 A PNP	1	BNMS P24V-2	0031 819.17
	1	BNMS N24V-2	0031 817.05
Ⓒ 24 V DC / 2 A PNP	1	BNMS P24V-1	0031 815.03
	1	BNMS N24V-1	0031 813.01
Ⓓ 250 V AC/700 mA TRIAC	1	BNMS A24V-4	0031 839.13

Wiring diagram

R24V-1 relays can be mixed and matched.
Possibility to use optocouplers with different output voltages on the same terminal assembly.
Terminal with negative or positive common connection.
Terminal compatible with automate output cards with positive or negative common connection.



Fuse and strap plugs allowing either a common - or a common +.



LED 1 and 3 switched on

LED 2 and 4 switched on

Approval

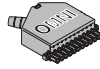
Characteristics

	Ⓐ	Ⓑ	Ⓒ	Ⓓ
INPUT				
Input voltage	+20%, -15%	24 V DC	24 V DC	24 V DC
Typical triggering at Is = 100 %	16 V DC	10 V DC	10 V DC	10 V DC
Input current	4,8 mA	6,7 mA	6,7 mA	3,8 mA
Switching time	C/O	20 μs / 1,3 ms	50 μs / 350 μs	50 μs / 350 μs
Leakage current	1 mA	1 mA	1 mA	9,5 ms / 12 ms
OUTPUT				
Maximum output voltage	58 V DC	58 V DC	30 V DC	24 to 253 V AC
Maximum output current	100 mA	1 A	2 A	0,6 A
Residual voltage max. I and rated U	standard U	1 V	1 V	1 V
	max.	1,3 V	1,3 V	1,3 V
Input / Output isolation	2,5 kV	2,5 kV	2,5 kV	2,5 kV
Isolation between each input channel				
TEMPERATURE				
Ambient temperature				
Storage	- 30°C to + 80°C	- 30°C to + 80°C	- 30°C to + 80°C	- 30°C to + 80°C
Operating	- 20°C to + 60°C	- 20°C to + 60°C	- 20°C to + 60°C	- 20°C to + 70°C
Wire capacity	0 - 2,5 mm ²	0 - 2,5 mm ²	0 - 2,5 mm ²	0 - 2,5 mm ²

Accessories

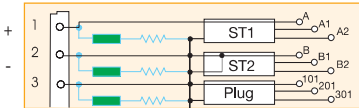
	Type	P/N
1 Comb-type jumper bar	PCMS	See section on accessories.
2 Fuse-holder plug	BFMS AUTO	See section on accessories.
R See section on marking methods.	RC55	

interfast MS

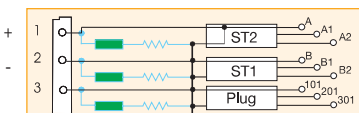


PLC universal interface
8 channels
with screw-clamp connection
Omniconnect product range
DIN 3

To make a negative common connection, use ST1 and ST2 plugs (see accessories).

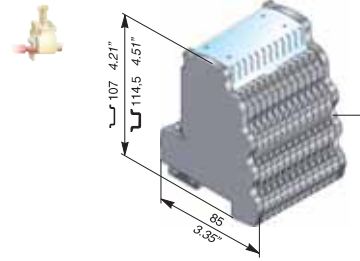


To make a positive common connection, use ST1 and ST2 plugs (see accessories).



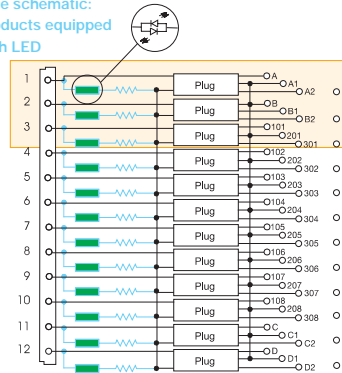
Universal interface with terminal blocks D2,5/5-UNI-CPE

Spacing 71 mm 2.79"



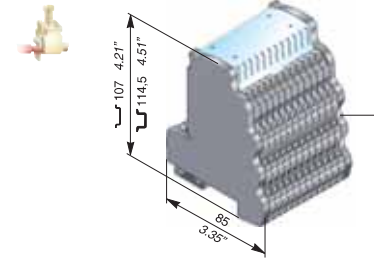
Terminal block assembly equipped with 1 removable 12 pole comb type jumper bar: removal makes independent channels possible.

Blue schematic:
products equipped
with LED

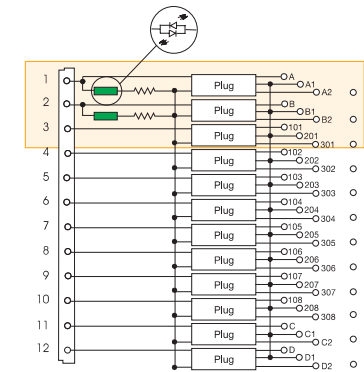


Universal interface with terminal blocks D2,5/5-UNI-CPE

Spacing 71 mm 2.79"



Terminal block assembly equipped with 1 removable 12 pole comb type jumper bar: removal makes independent channels possible.



Part numbers

Type	Part number	Type	Part number
8 channels without LED	0	BUNI 12	0631 158.06
8 channels with LEDs	1	BUNI 12-L	0631 178.02

Block delivered without plug (to be ordered separately).

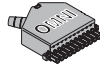
Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 V DC		30 V DC
Maximum current per point		2 A		2 A
Maximum current in common wires		5 A		5 A
Current per LED		5 mA		5 mA
Fuse on the power supply				
Fuse per point				
Test voltage				
Operating temperature	- 20°C to + 75°C	- 20°C to + 60°C	- 20°C to + 60°C	- 20°C to + 60°C
Storage temperature		- 40°C to + 80°C	- 40°C to + 80°C	- 40°C to + 80°C
Type of connector	Omniconnect plug 12 poles		Omniconnect plug 12 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

Accessories

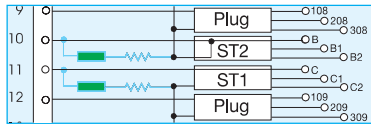
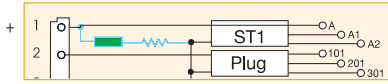
Type	P/N	Type	P/N
1, 2, 3, 4	1 Comb jumper Red	PCMS	Other numbers 12 poles 0205 532.23
2	2 Comb jumper Blue	PCMS	of poles. Please 12 poles 0205 533.24
3	3 Comb jumper Grey	PCMS	12 poles 0205 531.22
4	4 Comb jumper Green/Yellow	PCMS	see accessories section. 12 poles 0205 534.25
5	5 MS plug	BNMS	See section on accessories (Compatible with model 1 and 2)
6	6 Test plug	BUNI12	(Compatible with model 1 and 2)
7	7 Fuse plug	BUNI12L	(Compatible with model 1)
8	8 Omniconnect plug	CPFT2	12 poles See section on accessories
R	R See section on marking methods	RC55	

interfast MS

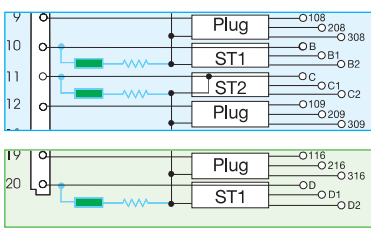
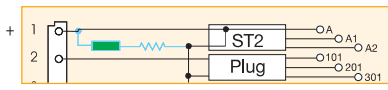


PLC universal interface
16 channels
with screw-clamp connection
Omnicontact product range
DIN 3

To make a negative common connection, use ST1 and ST2 plugs (see accessories).

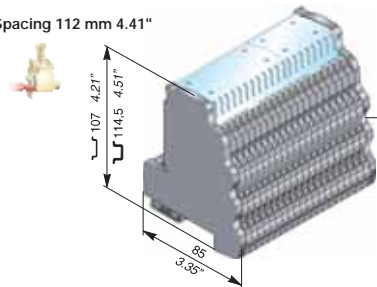


To make a positive common connection, use ST1 and ST2 plugs (see accessories).



Universal interface with terminal blocks D2,5/5-UNI-CPE

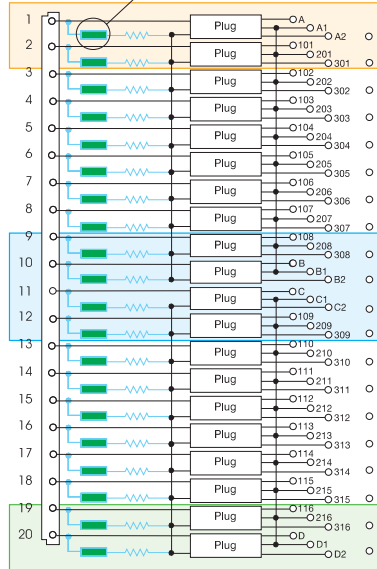
Spacing 112 mm 4.41"



Terminal block assembly equipped with 2 removable 10 pole comb type jumper bars: removal makes independent channels possible.

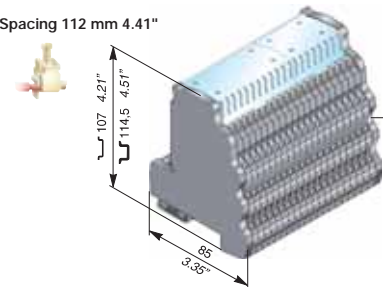
To make a negative or positive common connection, see the far left column.

Blue schematic:
products equipped
with LED



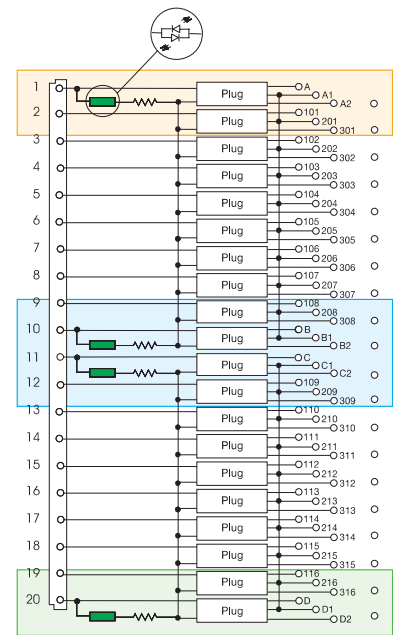
Universal interface with terminal blocks D2,5/5-UNI-CPE

Spacing 112 mm 4.41"



Terminal block assembly equipped with 2 removable 10 pole comb type jumper bars: removal makes independent channels possible.

To make a negative or positive common connection, see the far left column.



Part numbers

16 channels without LED	2
16 channels with LEDs	3

Type	Part number
BUNI 20	0631 151.27
BUNI 20-L	0631 180.21

Block delivered without plug (to be ordered separately).

Type	Part number
BUNI 20-L	0631 179.03

Block delivered without plug (to be ordered separately).

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 V DC		30 V DC
Maximum current per point		2 A		2 A
Maximum current in common wires		5 A		5 A
Current per LED		5 mA		5 mA
Fuse on the power supply				
Fuse per point				
Test voltage				
Operating temperature	- 20°C to + 75°C	- 20°C to + 60°C	- 20°C to + 75°C	- 20°C to + 60°C
Storage temperature		- 40°C to + 80°C		- 40°C to + 80°C
Type of connector	Omnicontact plug 20 poles		Omnicontact	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

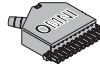
Accessories

	Type	P/N
1, 2, 3, 4	1 Comb jumper Red	PCMS
	2 Comb jumper Blue	PCMS
	3 Comb jumper Grey	PCMS
	4 Comb jumper Green/Yellow	PCMS
5	5 MS plug	BNMS
6	6 Test plug	BUNI20
7	7 Fuse plug	BUNI20L
8	8 Omnicontact plug	CPFT2
R	R See section on marking methods	RC55

Type	P/N
PCMS	10 poles 0205 524.23
PCMS	10 poles 0205 525.24
PCMS	10 poles 0205 523.22
PCMS	10 poles 0205 526.25
BNMS	See section on accessories (Compatible with model 1 and 2)
BUNI20	(Compatible with model 1 and 2)
BUNI20L	(Compatible with model 1)
CPFT2	20 poles See section on accessories
RC55	

Type	P/N
PCMS	10 poles 0205 524.23
PCMS	10 poles 0205 525.24
PCMS	10 poles 0205 523.22
PCMS	10 poles 0205 526.25
BNMS	See section on accessories (Compatible with model 1 and 2)
CPFT2	20 poles See section on accessories
RC55	

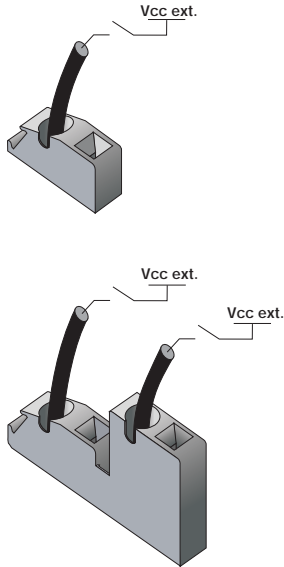
interfast



PLC connector interface
16 channels
with spring loaded terminals
Omnicontact product range

Applications

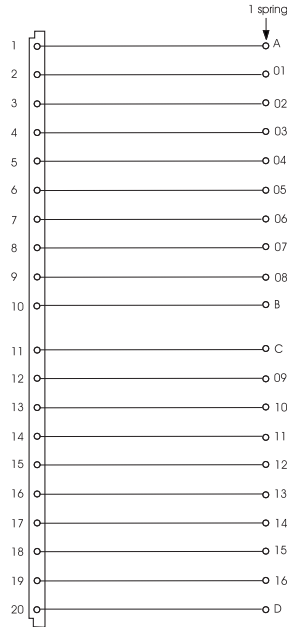
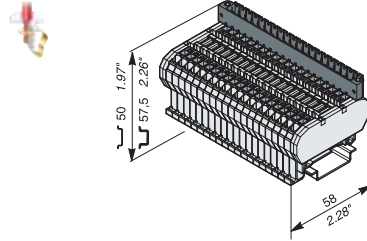
Single-wire
Interface



Single-wire interface with 1 spring

with terminal blocks D 2,5 / 5-2L

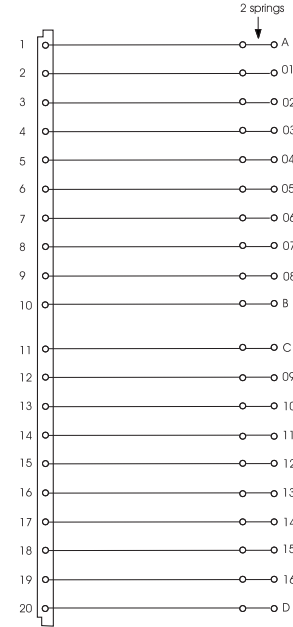
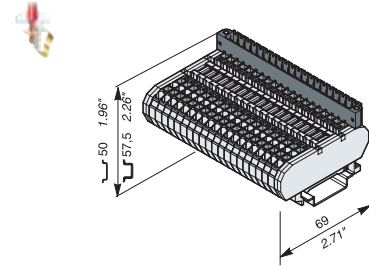
Spacing 112 mm 4.41"



Single-wire interface with 2 springs

with terminal blocks D 2,5 / 5 . 3L

Spacing 112 mm 4.41"



Part numbers

	Type	Part number	mm	L	inch	Type	Part number	mm	L	inch
16 channels without LED	BOM-1R-16	0032 001.10	112		4.41	BOM-2R-16	0032 002.11	112		4.41
32 channels without LED										

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC		250 V AC/DC	
Maximum current per point	2 A		2 A	
Maximum current in common wires	5 A		5 A	
Current per LED				
Fuses on the power supply				
Fuses per point				
Test voltage	3 kV		3 kV	
Operating temperature	- 20°C to + 70°C		- 20°C to + 70°C	
Storage temperature	- 40°C to + 80°C		- 40°C to + 80°C	
Type of connector	Omnicontact plug 20 poles		Omnicontact plug 20 poles	
Wire capacity	0,12 - 2,5 mm ²		0,12 - 2,5 mm ²	

Accessories

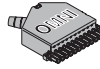
	Type	P/N	Type	P/N
1 Test plug	black	FC2	DIA. 2 mm	0007 865.26
2 Jumper bar	orange	BJDL5	See section on accessories	BJDL5
3 Omnicontact plug	20 poles	CPFT2	20 poles	See section on accessories
R	See section on marking methods	On top: RC510	On sides: RC55	On top: RC510
				On sides: RC55

interfast

PLC connector interface
16 channels
with spring loaded terminals
Omniconnect product range

Applications

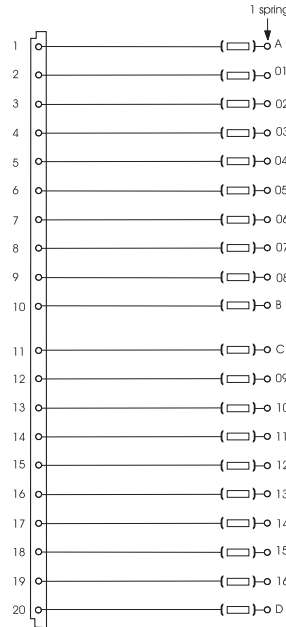
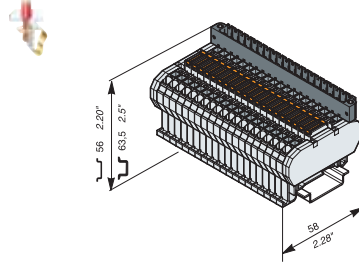
Single-wire
Interface



Interruptible interface with 1 spring

with terminal blocks D 2,5 / 5 . SNBT . 2L

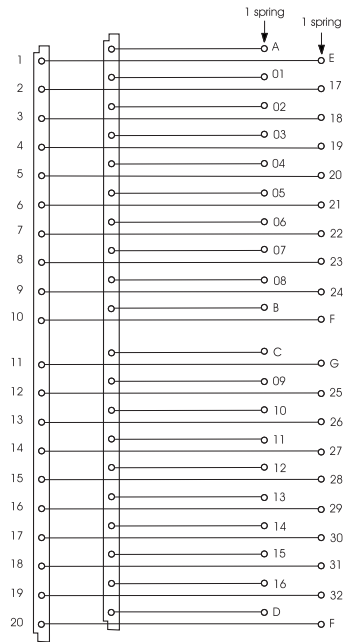
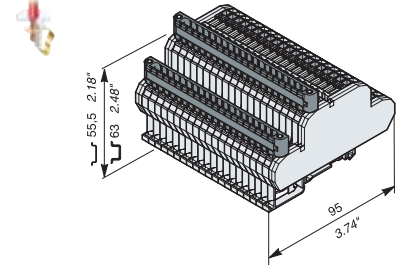
Spacing 112 mm 4.41"



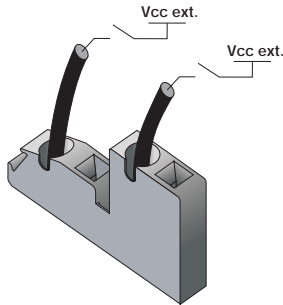
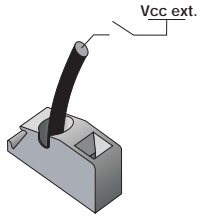
Compact single-wire interface with 1 spring

with terminal blocks D 2,5 / 5 . D2 . L

Spacing 112 mm 4.41"



B
4



Part numbers

	Type	Part number	mm	L	inch
16 channels without LED	2	BOM-1R-16-S	112	4.41	
32 channels without LED	6	B2OM-1R-32	112	4.41	

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC		250 V AC/DC	
Maximum current per point	2 A		2 A	
Maximum current in common wires	5 A		5 A	
Current per LED				
Fuses on the power supply				
Fuses per point				
Test voltage	3 kV		3 kV	
Operating temperature	- 20°C to + 70°C		- 20°C to + 70°C	
Storage temperature	- 40°C to + 80°C		- 40°C to + 80°C	
Type of connector	Omniconnect plug 20 poles		Omniconnect plug 20 poles	
Wire capacity	0,12 - 2,5 mm ²		0,12 - 2,5 mm ²	

Accessories

	Type	P/N	Type	P/N
1 Test plug	black	FC2	DIA. 2 mm	0007 865.26
2 Jumper bar	orange	BJDL5	See section on accessories	BJDL5
3 Omniconnect plug		CPFT2 20 poles	See section on accessories	CPFT2 20 poles
R	See section on marking methods	On top: RC510	On sides: RC55	On top: RC510 On sides: RC55

Interface boards



Summary

C1 - Screw connection interfaces	152
C2 - Screw decoupling interfaces	162
C3 - Spring connection interfaces	178
C4 - Spring decoupling interfaces	188

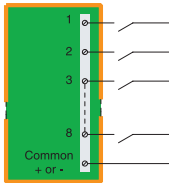
interfast



PLC connector interface
8 channels
with screw-clamp connection
Omniconnect Product range

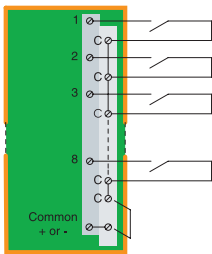
Applications

Single-wire Interface



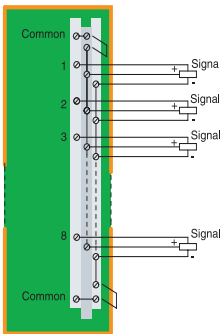
Single-wire sensors or actuators

Two-wire Interface



Two-wire sensors or actuators
Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

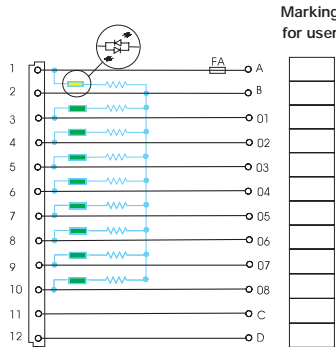
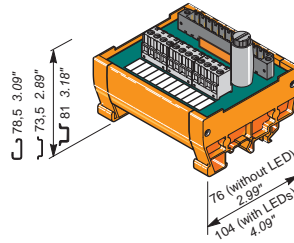
Three-wire Interface



Three-wire sensors
Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Single-wire interface

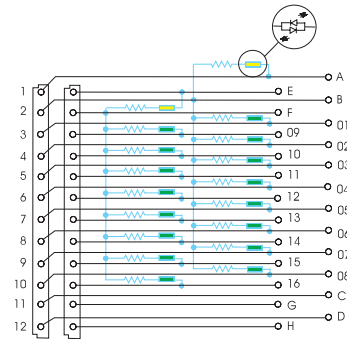
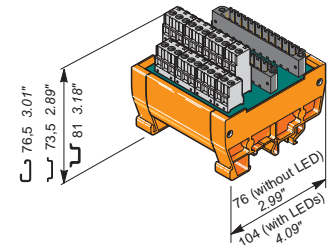
Spacing 78 mm 3.07"



Blue schematic: products equipped with LED

Compact Single-wire interface

Spacing 78 mm 3.07"



Blue schematic: products equipped with LED

Part numbers

	Type	Part number	mm	L	inch	Type	Part number	mm	L	inch
8 channels without LED	BFOM-8	0021 024.03	78		3.07					
8 channels with LEDs	BFOM-8-L	0021 026.05	78		3.07					
16 channels without LED						BF2OM-16	0021 020.13	78		3.07
16 channels with LEDs						BF2OM-16-L	0021 022.01	78		3.07

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 VDC	135 V AC/DC	30 VDC
Maximum current per point		2 A		2 A
Maximum current in common wires		5 A		5 A
Current per LED		5 mA		5 mA
Fuses on the power supply		5 A		
Fuses per point				
Test voltage	1,5 kV	0,5 kV	1,5 kV	0,5 kV
Operating temperature	- 20°C to + 55°C		- 20°C to + 55°C	
Storage temperature	- 40°C to + 80°C		- 40°C to + 80°C	
Type of connector	Omniconnect plug 12 poles		2 Omniconnect plugs 12 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

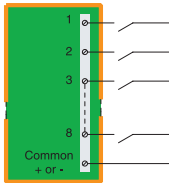
interfast



PLC connector interface
8 channels
with screw-clamp connection
Omniconnect Product range

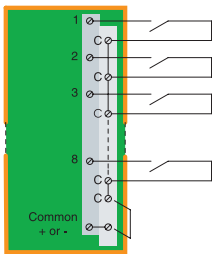
Applications

Single-wire Interface



Single-wire sensors or actuators

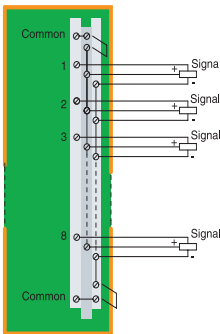
Two-wire Interface



Two-wire sensors or actuators

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Three-wire Interface

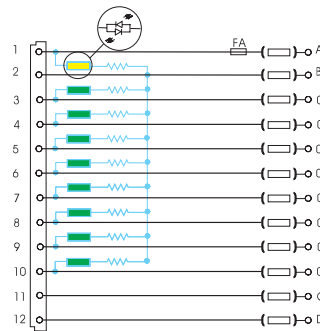
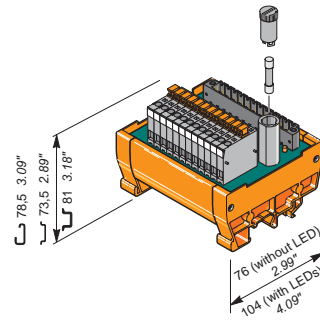


Three-wire sensors

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Interruptible interface

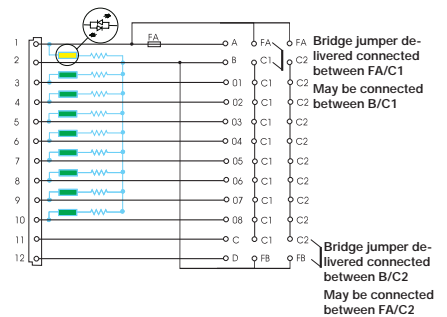
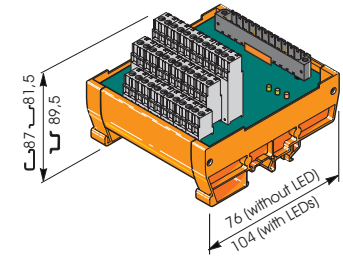
Spacing 78 mm 3.07"



2 mm dia. test points on each side of isolator

Three-wire interface with + and - common

Spacing 78 mm 3.07"



Part numbers

Type	Part number	mm	L	inch	Type	Part number	mm	L	inch	
8 channels without LED	0	BFOM-8-S	0021 032.03	78	3.07	BFOM-8-T	0	0021 048.23	78	3.07
8 channels with LEDs	1	BFOM-8-SL	0021 034.05	78	3.07	BFOM-8-TL	0	0021 050.21	78	3.07
16 channels without LED	4									
16 channels with LEDs	5									

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 VDC	250 V AC/DC	30 VDC
Maximum current per point		2 A		2 A
Maximum current in common wires		5 A		5 A
Current per LED		5 mA		5 mA
Fuses on the power supply		5 A		5 A
Fuses per point				
Test voltage	1,5 kV	0,5 kV	1,5 kV	0,5 kV
Operating temperature		- 20°C to + 55°C		- 20°C to + 55°C
Storage temperature		- 40°C to + 80°C		- 40°C to + 80°C
Type of connector	Omniconnect plug 12 poles		Omniconnect plug 12 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

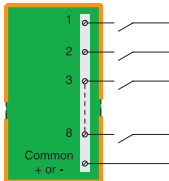
interfast



PLC connector interface
8 channels
with screw-clamp connection
Omniconnect Product range

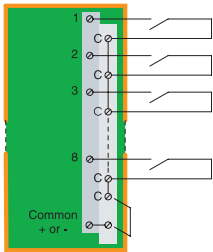
Applications

Single-wire Interface



Single-wire sensors or actuators

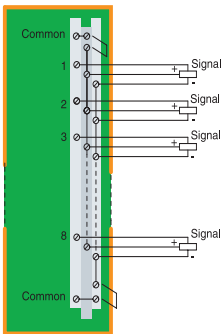
Two-wire Interface



Two-wire sensors or actuators

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Three-wire Interface

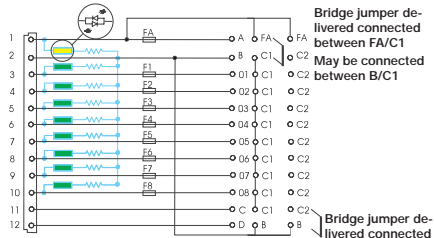
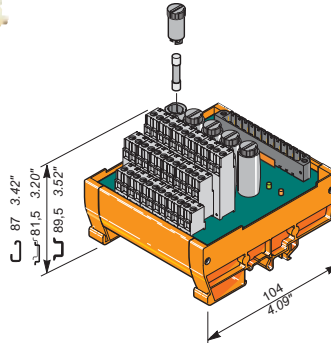


Three-wire sensors

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Three-wire interface with + and - common and fuse on each I/O

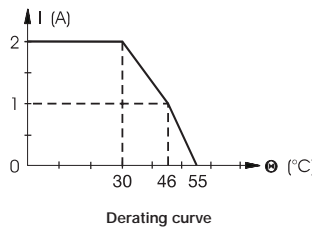
Spacing 78 mm 3.07"



Bridge jumper delivered connected between FA/C1
 May be connected between B/C1

Bridge jumper delivered connected between B/C2
 May be connected between FA/C2

Blue schematic: products equipped with LED



Part numbers

8 channels without LED	0
8 channels with LEDs	1
16 channels without LED	4
16 channels with LEDs	5

Type	Part number	mm	L	inch	Type	Part number	mm	L	inch
BFOM-8-TF	0021 052.17	78		3.07					
BFOM-8-TLF	0021 054.11	78		3.07					

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	29 VDC		
Maximum current per point		2 A		
Maximum current in common wires		5 A		
Current per LED		5 mA		
Fuses on the power supply		5 A		
Fuses per point		2 A		
Test voltage	1,5 kV	0,5 kV		
Operating temperature	See derating curve			
Storage temperature	- 40°C to + 80°C			
Type of connector	Omniconnect plug 12 poles			
Wire capacity	0-2,5 mm ²			

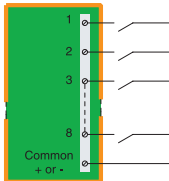
interfast



PLC connector interface
16 channels
with screw-clamp connection
Omniconnect Product range

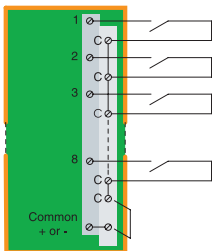
Applications

Single-wire Interface



Single-wire sensors or actuators

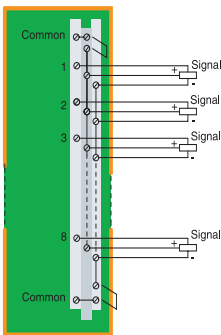
Two-wire Interface



Two-wire sensors or actuators

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Three-wire Interface

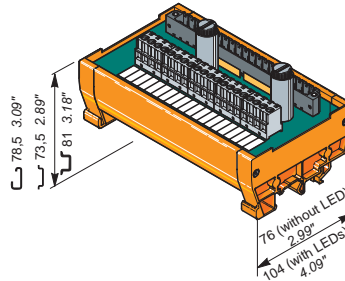


Three-wire sensors

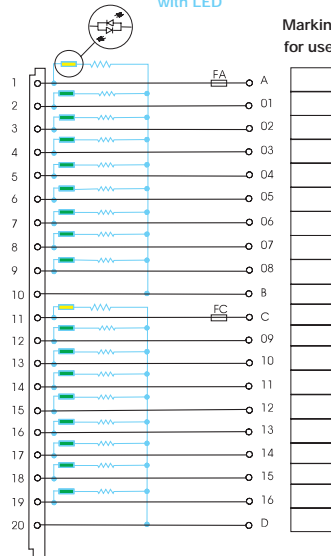
Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Single-wire interface

Spacing 127 mm 5" / 138 mm 5.44"

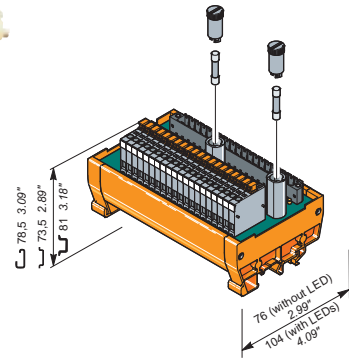


Blue schematic: products equipped with LED

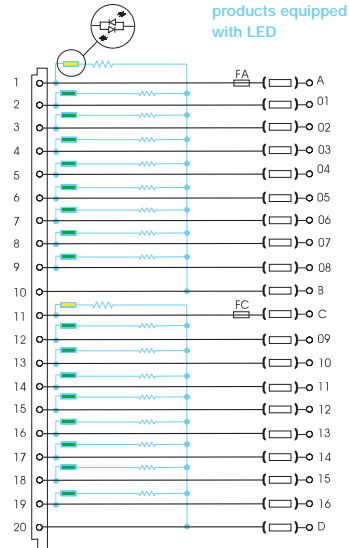


Interruptible interface

Spacing 118 mm 4.65" / 138 mm 5.44"

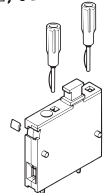


Blue schematic: products equipped with LED



2 mm dia. test points on each side of isolator

dia. 2mm test plug



Part numbers

	Type	Part number	mm	L	inch	Type	Part number	mm	L	inch
16 channels without LED	2	BFOM-16	0021 025.04	127	5	BFOM-16-S	0021 033.04	118	4.65	
16 channels with LEDs	3	BFOM-16-L	0021 027.06	138	5.44	BFOM-16-SL	0021 035.06	138	5.44	
16 channels without LED	4									
16 channels with LEDs	5									

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 VDC	250 V AC/DC	30 VDC
Maximum current per point		2 A		2 A
Maximum current in common wires		5 A		5 A
Current per LED		5 mA		5 mA
Fuses on the power supply		5 A		5 A
Fuses per point				
Test voltage	1,5 kV	0,5 kV	1,5 kV	0,5 kV
Operating temperature		- 20°C to + 55°C		- 20°C to + 55°C
Storage temperature		- 40°C to + 80°C		- 40°C to + 80°C
Type of connector	Omniconnect plug 20 poles		Omniconnect plug 20 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

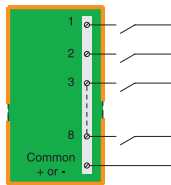
interfast



PLC connector interface
16 channels
with screw-clamp connection
Omniconnect Product range

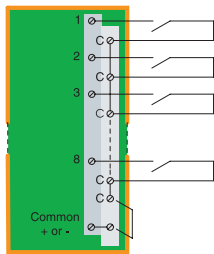
Applications

Single-wire Interface



Single-wire sensors or actuators

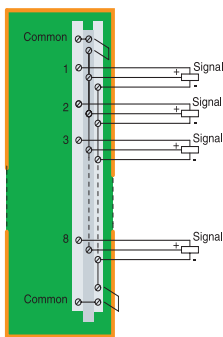
Two-wire Interface



Two-wire sensors or actuators

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Three-wire Interface

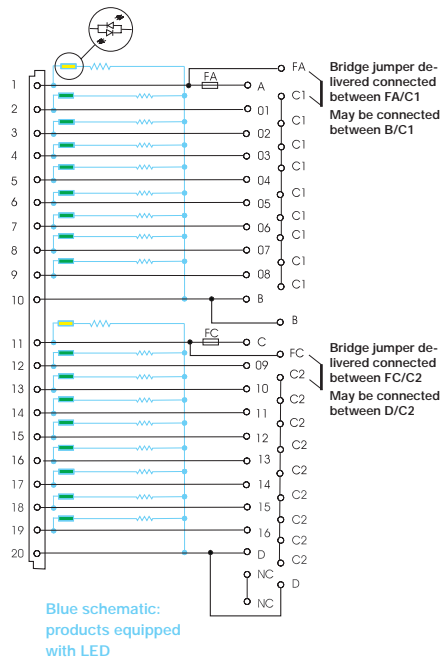
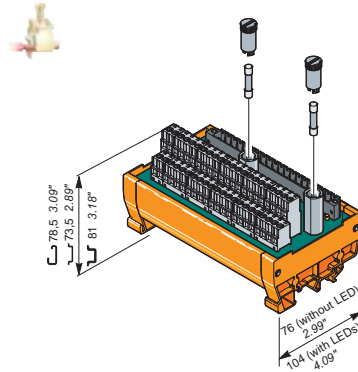


Three-wire sensors

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

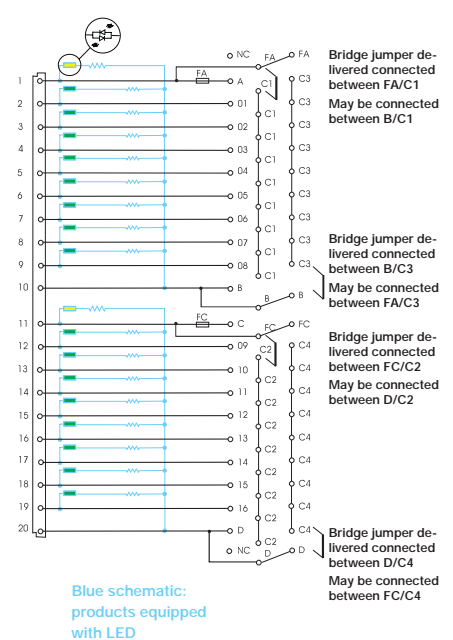
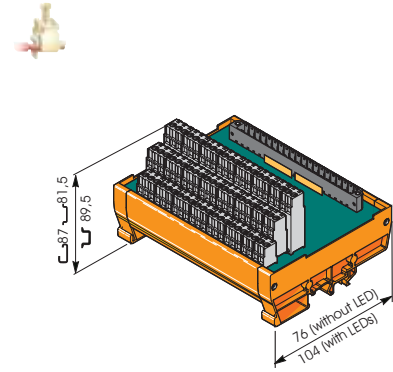
Two-wire interface with choice of + or - common

Spacing 127 mm 5.00" / 138 mm 5.44"



Three-wire interface with + and - common

Spacing 127 mm 5" / 138 mm 5.44"



Part numbers

	Type	Part number	mm	inch	Type	Part number	mm	inch
16 channels without LED	2	BFOM-16-B	127	5.00	BFOM-16-T	0021 049.24	127	5.00
16 channels with LEDs	3	BFOM-16-BL	138	5.44	BFOM-16-TL	0021 051.16	138	5.44
16 channels without LED	4							
16 channels with LEDs	5							

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 VDC	250 V AC/DC	30 VDC
Maximum current per point	2 A		2 A	
Maximum current in common wires	5 A		5 A	
Current per LED		5 mA		5 mA
Fuses on the power supply	5 A		5 A	
Fuses per point				
Test voltage	1,5 kV	0,5 kV	1,5 kV	0,5 kV
Operating temperature	- 20°C to + 50°C		- 20°C to + 55°C	
Storage temperature	- 40°C to + 80°C		- 40°C to + 80°C	
Type of connector	Omniconnect plug 20 poles		Omniconnect plug 20 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

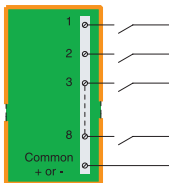
interfast



PLC connector interface
16 channels
with screw-clamp connection
Omniconnect Product range

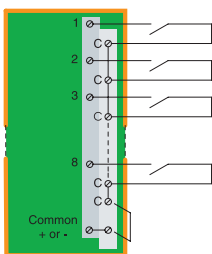
Applications

Single-wire Interface



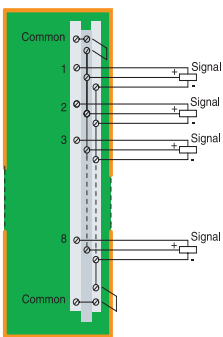
Single-wire sensors or actuators

Two-wire Interface



Two-wire sensors or actuators
 Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

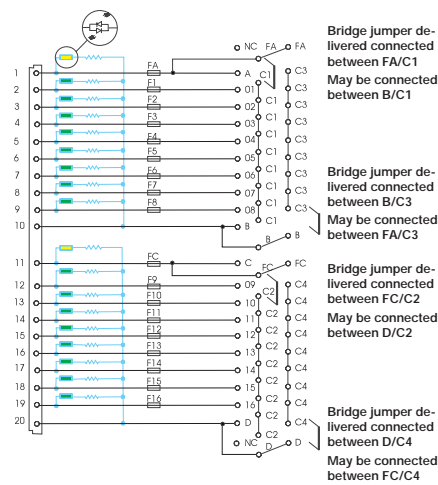
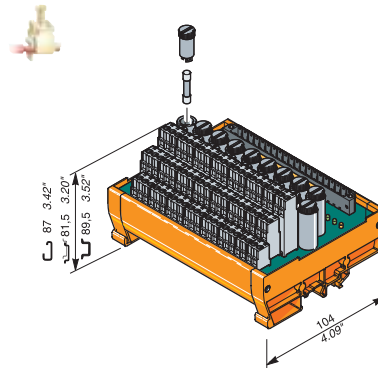
Three-wire Interface



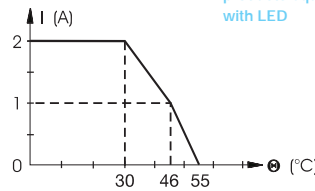
Three-wire sensors
 Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Three-wire interface with + and - common and fuse on each I/O

Spacing 138 mm 5.44"



Blue schematic: products equipped with LED



Derating curve

Part numbers

	Type	Part number	mm	L	inch	Type	Part number	mm	L	inch
16 channels without LED	2	BFOM-16-TF	0021 053.10	138	5.44					
16 channels with LEDs	3	BFOM-16-TLF	0021 055.12	138	5.44					
16 channels without LED	4									
16 channels with LEDs	5									

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 VDC		
Maximum current per point		2 A		
Maximum current in common wires		5 A		
Current per LED		5 mA		
Fuses on the power supply		5 A		
Fuses per point		2 A		
Test voltage	1,5 kV	0,5 kV		
Operating temperature	See derating curve			
Storage temperature	- 40°C to + 80°C			
Type of connector	Omniconnect plug 20 poles			
Wire capacity	0-2,5 mm2			

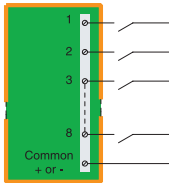
interfast



PLC connector interface
2x16 channels
with screw-clamp connection
Omnicomnect Product range

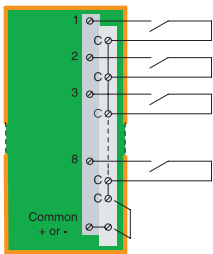
Applications

Single-wire Interface



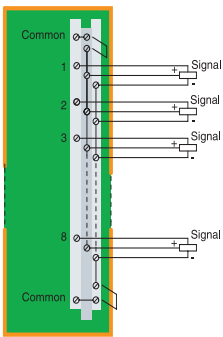
Single-wire sensors or actuators

Two-wire Interface



Two-wire sensors or actuators
 Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

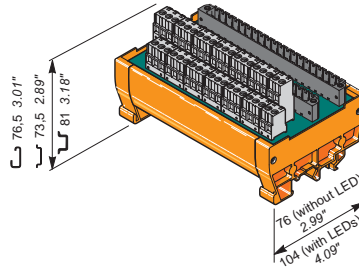
Three-wire Interface



Three-wire sensors
 Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

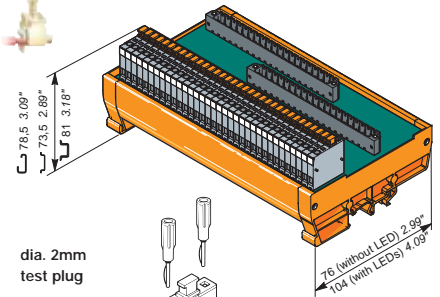
Compact Single-wire interface

Spacing 118 mm 4.65"

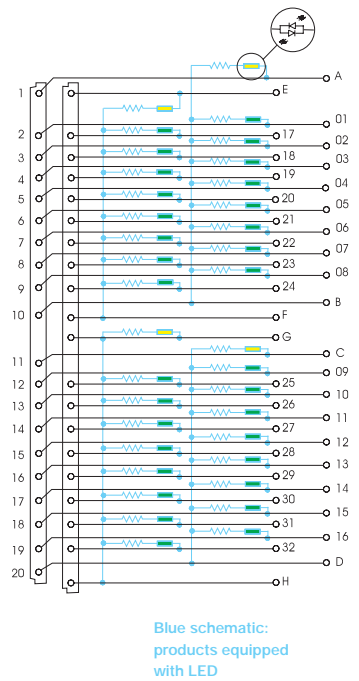
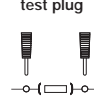


Compact interruptible interface

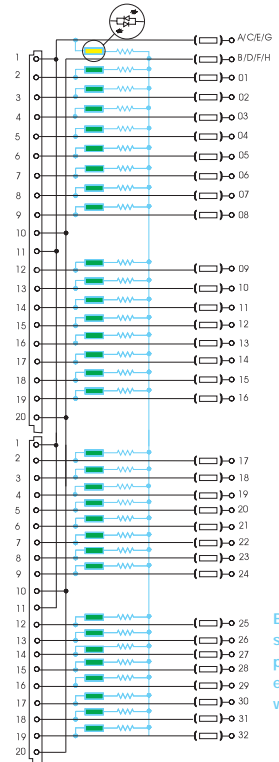
Spacing 180 mm 7.09"



dia. 2mm test plug



Blue schematic: products equipped with LED



Blue schematic: products equipped with LED

2 mm dia. test points on each side of isolator

Part numbers		Type	Part number	mm	L	inch	Type	Part number	mm	L	inch
2x16 channels without LED		BF20M-32	0021 021.00	118	4.65		BF20M-32-S	0021 097.05	180	7.09	
2x16 channels with LEDs		BF20M-32-L	0021 023.02	118	4.65		BF20M-32-SL	0021 095.03	180	7.09	

Characteristics	Without LED	With LEDs	Without LED	With LEDs
	Maximum voltage	135 V AC/DC	30 VDC	135 V AC/DC
Maximum current per point	2 A		2 A	
Maximum current in common wires	5 A for 8 channels		5 A for 8 channels	
Current per LED	5 mA		5 mA	
Fuses on the power supply				
Fuses per point				
Test voltage	1,5 kV	0,5 kV	1,5 kV	0,5 kV
Operating temperature	- 20°C to + 55°C		- 20°C to + 55°C	
Storage temperature	- 40°C to + 80°C		- 40°C to + 80°C	
Type of connector	2 Omnicomnect plugs 20 poles		2 Omnicomnect plugs 20 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

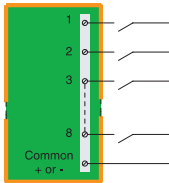
interfast



PLC connector interface
2x16 channels
with screw-clamp connection
Omnicomnect Product range

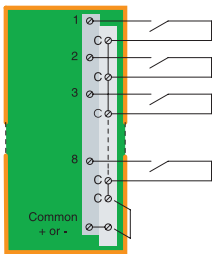
Applications

Single-wire Interface



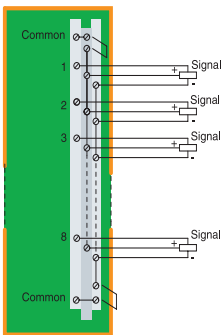
Single-wire sensors or actuators

Two-wire Interface



Two-wire sensors or actuators
Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

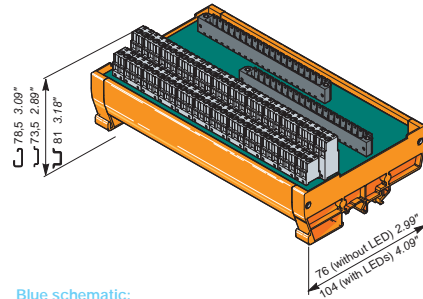
Three-wire Interface



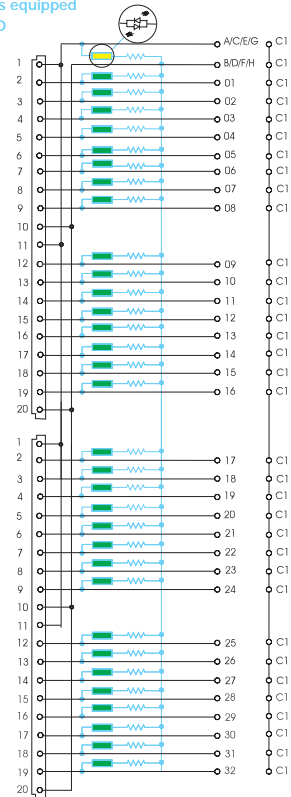
Three-wire sensors
Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Compact Two-wire interface

Spacing 180 mm 7.09"

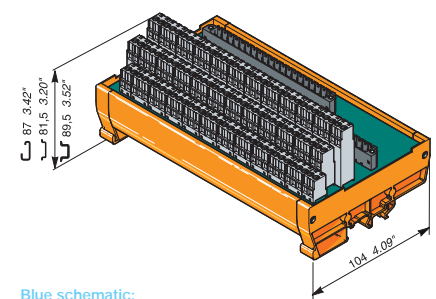


Blue schematic: products equipped with LED

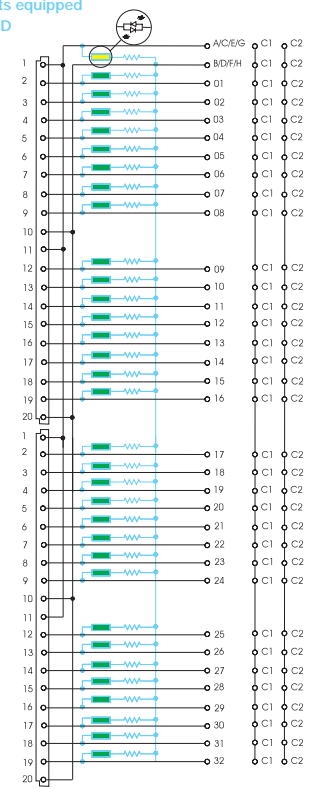


Compact Three-wire interface

Spacing 180 mm 7.09"



Blue schematic: products equipped with LED



Part numbers

	Type	Part number	mm	L	inch	Type	Part number	mm	L	inch
2x16 channels without LED	6	BF2OM-32-B	180	7.09	0021 098.16	6	BF2OM-32-T	180	7.09	0021 096.04
2x16 channels with LEDs	7	BF2OM-32-BL	180	7.09	0021 093.01	7	BF2OM-32-TL	180	7.09	0021 094.02

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	135 V AC/DC	30 VDC	135 V AC/DC	30 VDC
Maximum current per point	2 A		2 A	
Maximum current in common wires	5 A for 8 channels		5 A for 8 channels	
Current per LED	5 mA		5 mA	
Fuses on the power supply				
Fuses per point				
Test voltage	1,5 kV	0,5 kV	1,5 kV	0,5 kV
Operating temperature	- 20°C to + 55°C		- 20°C to + 55°C	
Storage temperature	- 40°C to + 80°C		- 40°C to + 80°C	
Type of connector	2 Omnicomnect plugs 20 poles		2 Omnicomnect plugs 20 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

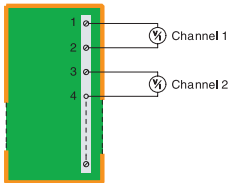
interfast



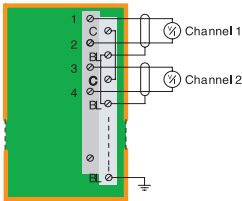
PLC connector interface
with screw-clamp connection
Male Sub D product range

Applications

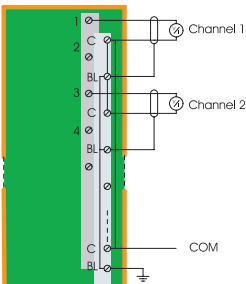
I/O ANA insulated without shielding connection



I/O ANA insulated with shielding connection

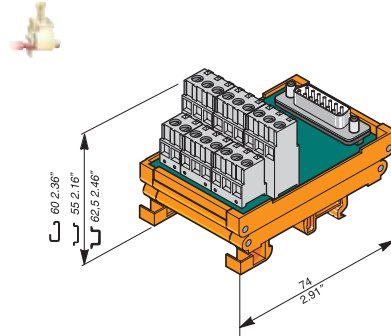


I/O ANA with positive side distribution and shielding connection

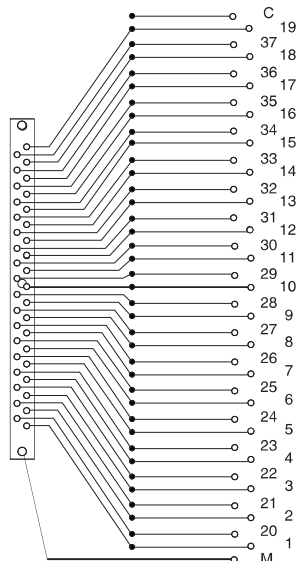


Single-wire interface

Drawing: male Sub D 15 interface

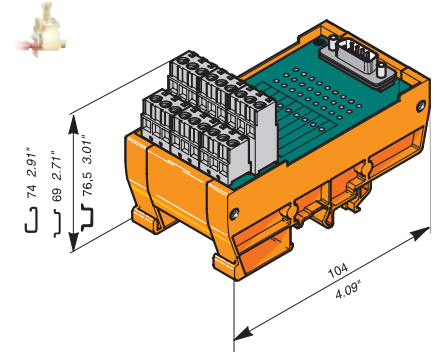


Schematic: male Sub D 37 interface

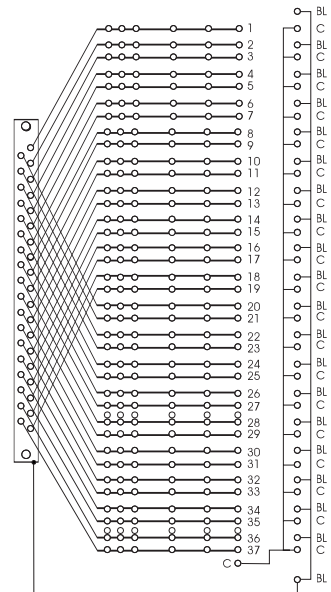


Two-wire interface with a common and common shield

Drawing: male Sub D 9 interface



Schematic: male Sub D 37 interface



C = Common
BL = Shielding

Part numbers

	Type	Part number	mm	L	inch	Type	Part number	mm	L	inch
9 points	BFMSUBD9-M HR	0020 351.02	33		1.30	BFSUBD9-M ANA	0021 056.13	55		2.17
15 points	BFMSUBD15-M HR	0020 352.03	48,3		1.90	BFSUBD15-M ANA	0021 057.14	90		3.55
25 points	BFMSUBD25-M HR	0020 353.04	73,7		2.90	BFSUBD25-M ANA	0021 058.25	138		5.44
37 points	BFMSUBD37-M HR	0020 354.05	101,6		4.00	BFSUBD37-M ANA	0021 059.26	197		7.76

Characteristics

	Without LED	Without LED
Maximum voltage	60 V AC/DC	60 V AC/DC
Maximum current per point	1 A	1 A
Maximum current in common wires		5 A
Current per LED		
Fuses on the power supply		
Fuses per point		
Test voltage	1 k V	0,5 k V
Operating temperature	- 20°C to + 70°C	- 20°C to + 70°C
Storage temperature	- 40°C to + 80°C	- 40°C to + 80°C
Type of connector	1 female SUBD	1 female SUBD
Wire capacity	0-2,5 mm ²	0-2,5 mm ²

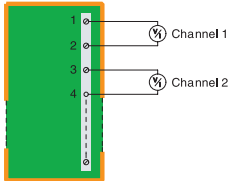
interfast



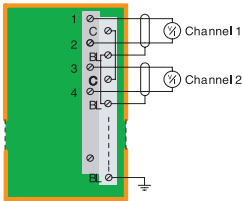
PLC connector interface
with screw-clamp connection
Male Sub D product range

Applications

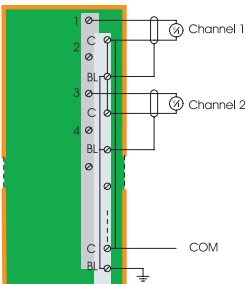
I/O ANA insulated without shielding connection



I/O ANA insulated with shielding connection

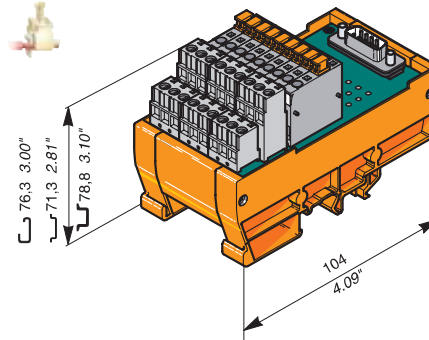


I/O ANA with positive side distribution and shielding connection

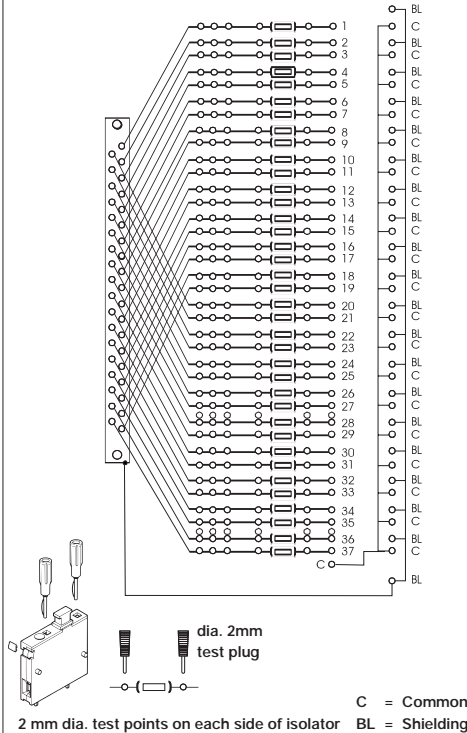


Interruptible interface with a common and common shield

Drawing: male Sub D 9 interface



Schematic: male Sub D 37 interface



Part numbers

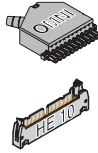
	Type	Part number	mm	inch	Type	Part number	mm	inch
9 points	BFSUBD 9 M -ANA-S	0021 060.23	55	2.17				
15 points	BFSUBD 15 M -ANA-S	0021 061.10	90	3.55				
25 points	BFSUBD 25 M -ANA-S	0021 062.11	138	5.44				
37 points	BFSUBD 37 M -ANA-S	0021 063.12	197	7.76				

Characteristics

	Without LED	Without LED
Maximum voltage	60 V AC/DC	
Maximum current per point	1 A	
Maximum current in common wires	5 A	
Current per LED		
Fuses on the power supply		
Fuses per point		
Test voltage	0,5 kV	
Operating temperature	- 20°C to + 70°C	
Storage temperature	- 40°C to + 80°C	
Type of connector	1 female SUBD	
Wire capacity	0-2,5 mm ²	

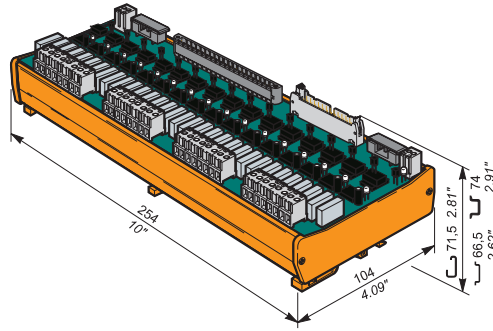
interfast

Decoupling interface for PLC
16 optocoupler interface
Omniconnect and HE 10/26 point product range



16 P optocouplers optocoupler input interface protected against leakage current insulated input

Width : 254 mm 10"

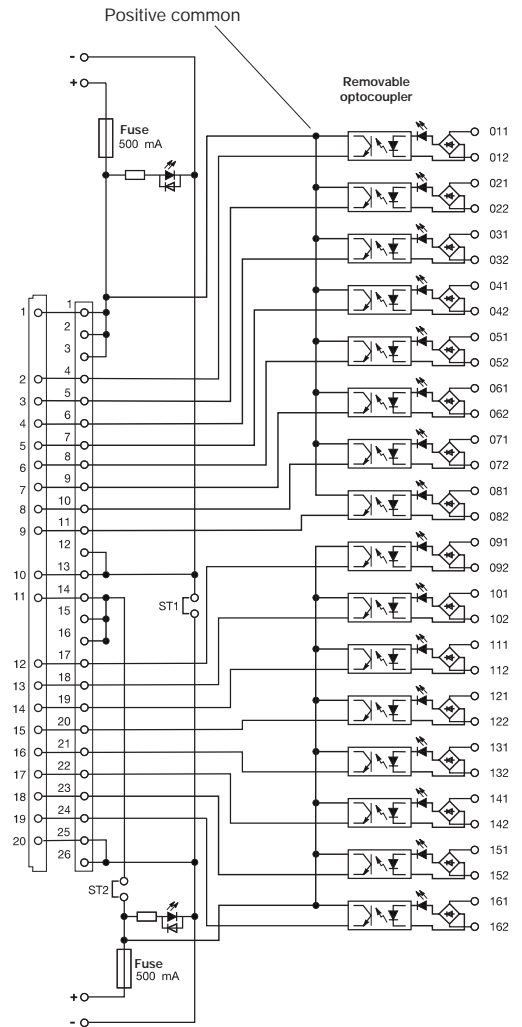


Delivered with 5 x 20 mm fuses - High interrupting capacity - Rating 500 mA - 250 V.

Wiring diagram

- Permits electrical isolation between an AC input and a DC output.
- Protected against leakage current ≤ 5 mA.
- Indicating LED for PLC card supply.
- Inputs are mutually isolated for multi-source applications.

Wiring diagram



Interface with positive common connection on optocouplers output.
Interface compatible with automate input cards with negative common connection.

C
2

Part numbers

Type		P/N
OI 16C-050	24 VAC / VDC	0020 921.16
OI 16C-050	48 VAC / VDC	0020 922.17
OI 16C-050	110 VAC	0020 923.10
OI 16C-050	230 VAC	0020 924.11

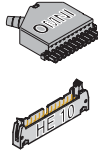
Approval

Characteristics

INPUT	24 VAC/VDC	48 VAC/VDC	110VAC 50Hz	110VAC/60Hz	230 VAC
Input voltage	21,6 to 26,4 V	43,2 to 52,8 V	94 to 152 V	94 to 127 V	196 to 276 V
Typical triggering threshold	15 V	30 V	94 V	94 V	196 V
Input current	9 to 12 mA	9 to 11 mA	15 to 25 mA	15 to 25 mA	18 to 26 mA
Switching time	C/O	1ms/25ms	1ms/55ms	10ms/25ms	10ms/25ms
Leakage current	1,5 mA	1,5 mA	5 mA	5 mA	5 mA
OUTPUT					
Max. output voltage	30 V				
Max. output current	50 mA				
Residual voltage max. I and rated U					
standard U	< 1,5 V / 50 mA				
max.	< 2,3 V / 50 mA				
Input / Output isolation	2000 V eff.				
Isolation between each input channel	2000 V eff.				
TEMPERATURE					
Ambient temperature					
Storage	- 40°C to + 80°C				
Operating	- 20°C to + 50°C				
Wire capacity	0 - 2,5 mm ²				

interfast

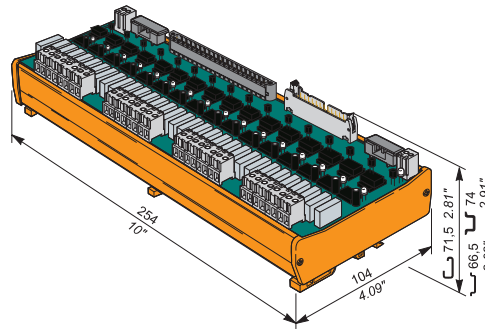
Decoupling interface for PLC 16 optocoupler interface Omniconnect and HE 10/26 point product range



Width 254 mm 10"



16 P optocouplers optocoupler input interface protected against current leakage

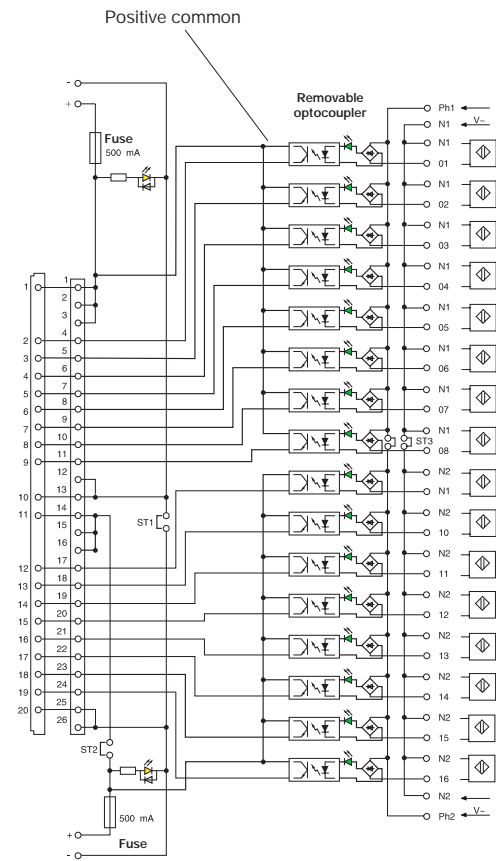


Delivered with 5 x 20 mm fuses - High interrupting capacity - Rating 500 mA - 250 V.

Wiring diagram

- Permits electrical isolation between an AC input and a DC output.
- Protected against leakage current ≤ 5 mA.
- Indicating LED for PLC card supply.
- Inputs are mutually isolated for multi-source applications Input voltage.

Wiring diagram



Part numbers

Type		P/N
OI 16C-050-B	24 VAC / VDC	0020 917.12
OI 16C-050-B	48 VAC / VDC	0020 918.23
OI 16C-050-B	110 VAC	0020 919.24
OI 16C-050-B	230 VAC	0020 920.21

Approval

Characteristics

INPUT	24 VAC/VDC	48 VAC/VDC	110VAC 50Hz	110VAC/60Hz	230 VAC
Input voltage	21,6 to 26,4 V	43,2 to 52,8 V	94 to 152 V	94 to 127 V	196 to 276 V
Typical triggering threshold	15 V	30 V	94 V	94 V	196 V
Input current	9 to 12 mA	9 to 11 mA	15 to 25 mA	15 to 25 mA	18 to 26 mA
Switching time	C/O	1ms/25ms	1ms/55ms	10ms/25ms	10ms/25ms
Leakage current	1,5 mA	1,5 mA	5 mA	5 mA	5 mA

OUTPUT

Max. output voltage	30 V
Max. output current	50 mA
Residual voltage max. I and rated U	
standard U	< 1,5 V / 50 mA
max.	< 2,3 V / 50 mA
Input / Output isolation	2000 V eff.

TEMPERATURE

Ambient temperature	
Storage	- 40°C to + 80°C
Operating	- 20°C to + 50°C

Wire capacity	0 - 2,5 mm ²
---------------	-------------------------

Interface with positive common connection on optocouplers output.
Interface compatible with automate input cards with negative common connection.

interfast

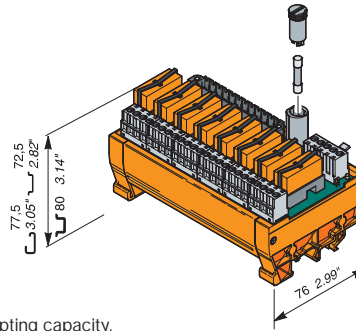


PLC decoupling interface
8-relay interface
Omniconnect product range

Width : 127 mm 5.00"

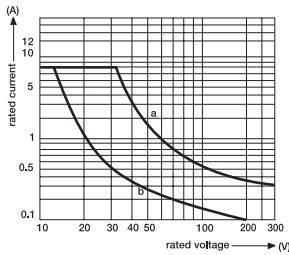


8 N/P relays 1 RT relay output interface



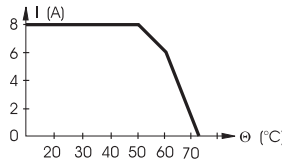
Pluggable relay.
Delivered with 5 x 20 mm fuse - High interrupting capacity.
Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

a : resistance
b : inductive load, L/R = 20 ms



De-rating curve

Part numbers

The units are delivered equipped with relays.
The relays are also available separately.

Type	P/N
RI OM 821 N/P - 24 VDC	0021 084.00
Schrack® relay 24 V	0179 208.24

Characteristics

COIL	
Rated voltage	+ 20%, - 15% 24 VDC
Rated current	15 mA
Trip voltage	2,4 VDC
CONTACT	
Type	1 RT
Voltage mini. / max.	5 V / 250 VAC
Switching current mini. / max.	1 mA / 8 A
Breaking capacity	AC1 mini. / max. 5 mVA / 2000 VA
	DC1 mini. / max. 5 mW / see graphs
Max. load	see graph
Number of operations on load	10 ⁵
Number of operations off load	30 x 10 ⁶
Operating speed	7 ms / 8 ms
Bounce	1 ms
Isolation Coil / Contact	5 kV
Resistance to shock waves	Coil / Contact 10 kV
Isolation Contact / Contact	2 kV
E.M.C.	Level 4
TEMPERATURE	
Ambient temperature	Storage - 40°C to + 80°C
	Operating - 20°C to + 74°C
Wire capacity	8 ms

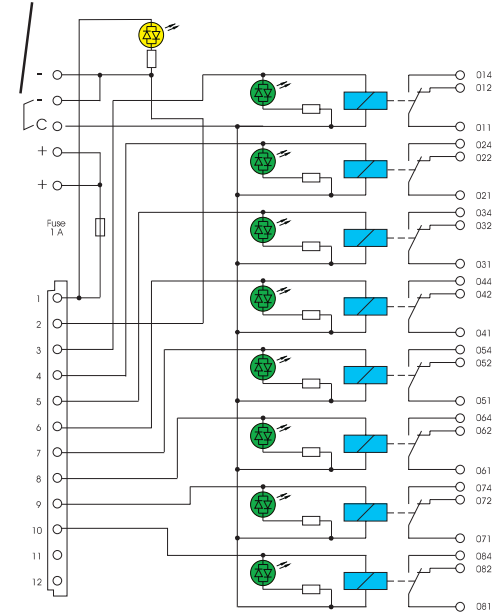
Accessories

	Type	P/N
Rail EN 50035	PR1.Z2	32 x 15 0163 050.04
Rail EN 50022	PR3.Z2	35 x 7,5 x 1 0174 300.17
Rail EN 50022	PR4	35 x 15 x 2,3 0168 500.12
Rail	PR5	35 x 15 x 1,5 0168 700.22
End stop	BAM	th. 9,1 mm 0103 002.26

Wiring diagram

Interface with negative or positive common connection.

Jumper allowing either a common + or a common -
Delivered connected with a common -



Interface compatible with automate output cards with negative or positive common connection.

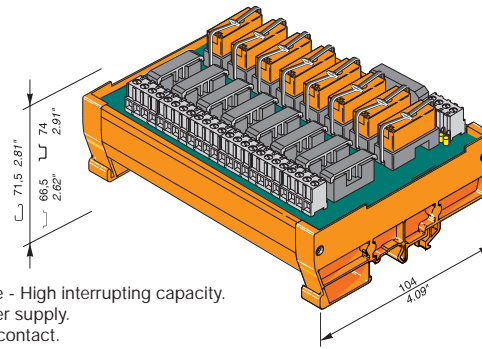
interfast



PLC decoupling interface
8-relay interface
Omnicomnect product range

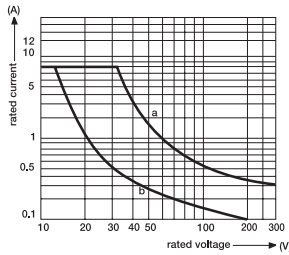
8 N relays 1 RT relay output interface with fuse on common contact

Width: 127 mm 5.00"



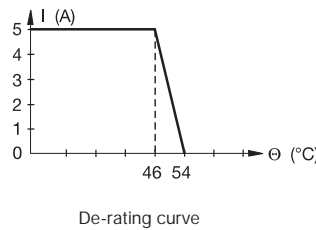
Pluggable relay.
Delivered with 5 x 20 mm fuse - High interrupting capacity.
1 A - 250 V fuse on PLC power supply.
5 A - 250 V fuse on common contact.

Wiring diagram



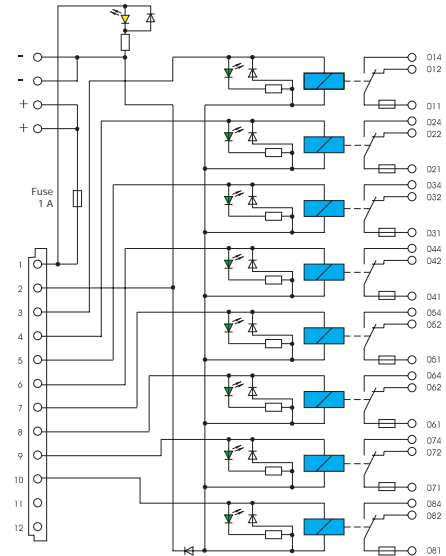
* Load limit for DC

a : resistance
b : charge inductive, L/R = 20 ms



Wiring diagram

Interface with negative common connection.



Interface compatible with automate output cards with positive common connection.

Part numbers		Type	P/N
The units are delivered equipped with relays. The relays are also available separately.		RI OM 821-F-24	0021 073.14
		Schrack® relay 24 V	0179 208.24
Characteristics			
COIL			
Rated voltage	+ 20%, - 15%	24 VDC	
Rated current		15 mA	
Trip voltage		2,4 VDC	
CONTACT			
Type 1 RT			
Voltage mini. / max.		5 V / 250 VAC	
Switching current mini. / max.		1 mA / 5 A	
Breaking capacity	AC1 mini. / max.	5 mVA / 1250 VA	
	DC1 mini. / max.	5 mW / see graphs	
Max. load see graph			
Number of operations	on load	10 ⁵	
Number of operations	off load	30 x 16 ⁶	
Operating speed	C/O	7 ms / 8 ms	
Bounce 1 ms			
Isolation Coil / Contact 5 kV			
Resistance to shock waves Coil / Contact 10 kV			
Isolation Contact / Contact 2 kV			
E.M.C. Level 4			
TEMPERATURE			
Ambient temperature	Storage	- 40°C to + 80°C	
	Operating	- 20°C to + 59°C	
Wire capacity		0 - 2,5 mm ²	
Accessories		Type	P/N
Rail EN 50035	2 m	PR1.Z2	32 x 15 0163 050.04
Rail EN 50022	2 m	PR3.Z2	35 x 7,5 x 1 0174 300.17
Rail EN 50022	2 m	PR4	35 x 15 x 2,3 0168 500.12
Rail		PR5	35 x 15 x 1,5 0168 700.22
End stop(all rails)		BAM	th. 9,1 mm 0103 002.26

interfast

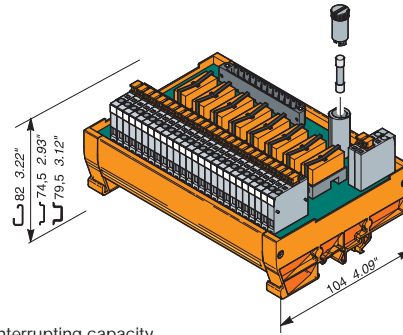


PLC decoupling interface
8-relay interface
Omniconnect product range

Width: 140 mm 5.51"

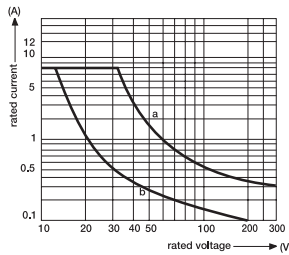


8 N relays 1 RT relay output interface with switch terminals



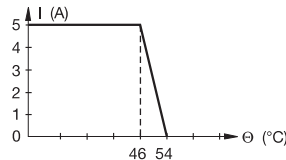
Pluggable relay.
Delivered with 5 x 20 mm fuse - High interrupting capacity.
Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

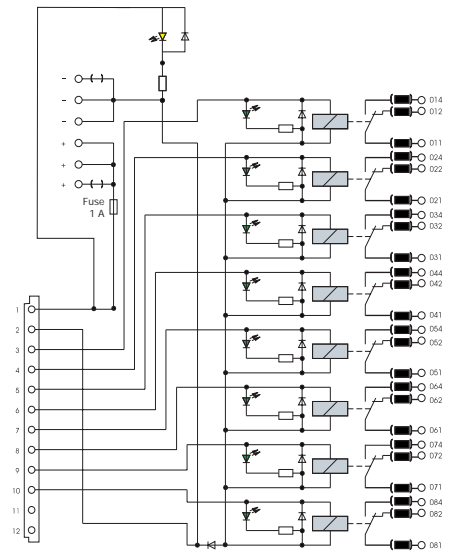
a : resistance
b : inductive load, L/R = 20 ms



De-rating curve

Wiring diagram

Interface with negative common connection.



Interface compatible with automate output cards with positive common connection.

Part numbers	Type	P/N
The units are delivered equipped with relays. The relays are also available separately.	RIOM 821-S-24 VDC	0020 911.14
	Schrack Relay 24V	0179 208.24
Characteristics		
COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		15 mA
Trip voltage		2,4 VDC
CONTACT		
Type		1 RT
Voltage mini. / max.		5 V / 250 VAC
Switching current mini. / max.		1 mA / 5 A
Breaking capacity	AC1 mini. / max. DC1 mini. / max.	5 m VA / 1250 VA 5 m W / see graphs
Max. load		see graph
Number of operations	on load	10 ⁵
Number of operations	off load	30 x 10 ⁶
Operating speed	C	7 ms
	O	8 ms
Bounce		1 ms
Isolation Coil / Contact		2,5 kV
Resistance to shock waves	Coil / Contact	
Isolation Contact / Contact		
TEMPERATURE		
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 59°C
Wire capacity		0 - 2,5 mm ²
Accessories		
Rail EN 50035	2 m	PR1.Z2 32 x 15 0163 050.04
Rail EN 50022	2 m	PR3.Z2 35 x 7,5 x 1 0174 300.17
Rail EN 50022	2 m	PR4 35 x 15 x 2,3 0168 500.12
Rail		PR5 35 x 15 x 1,5 0168 700.22
End stop(all rails)		BAM ep. 9,1 mm 0103 002.26

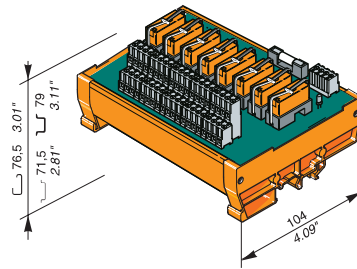
interfast



PLC decoupling interface
8-relay interface
Omniconnect product range

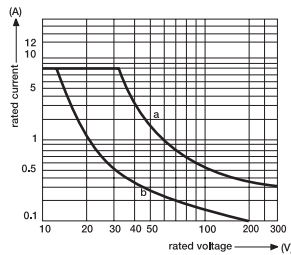
8 N relays 2 RT relay output interface

Width: 152 mm 5.98"



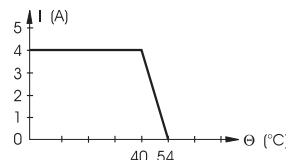
Pluggable relay.
Delivered with 5 x 20 mm fuse - High interrupting capacity.
Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

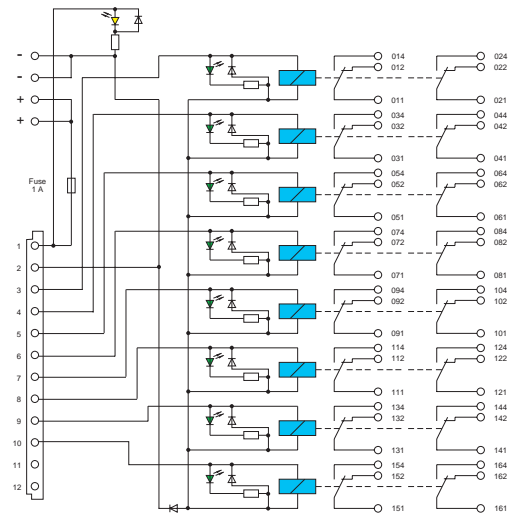
a : resistance
b : inductive load, L/R = 20 ms



De-rating curve

Wiring diagram

Interface with negative common connection.



Interface compatible with automate output cards with positive common connection.

Part numbers

The units are delivered equipped with relays. The relays are also available separately.

Type	P/N
RI OM 822-24	0021 074.15
Schrack® relay 24 V	0210 021.26

Characteristics

COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		21 mA
Trip voltage		2,4 VDC
CONTACT		
Type		2 RT
Voltage mini. / max.		12 V / 250 VAC
Switching current mini. / max.		100 mA / 4 A
Breaking capacity	AC1 mini. / max.	1,2 VA / 1000 VA
	DC1 mini. / max.	1,2 W / see graphs
Max. load		see graph
Number of operations	on load	2 x 10 ⁵
Number of operations	off load	30 x 10 ⁶
Operating speed	C	9 ms
	O	12 ms
Bounce		2 ms
Isolation Coil / Contact		3,5 kV
Resistance to shock waves	Coil / Contact	10 kV
Isolation Contact / Contact		2 kV
E.M.C.		Level 4
TEMPERATURE		
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 54°C
Wire capacity		0 - 2,5 mm ²
Accessories		
	Type	P/N
Rail EN 50035	2 m PR1.Z2	32 x 15 0163 050.04
Rail EN 50022	2 m PR3.Z2	35 x 7,5 x 1 0174 300.17
Rail EN 50022	2 m PR4	35 x 15 x 2,3 0168 500.12
Rail	PR5	35 x 15 x 1,5 0168 700.22
End stop(all rails)	BAM	th. 9,1 mm 0103 002.26

interfast



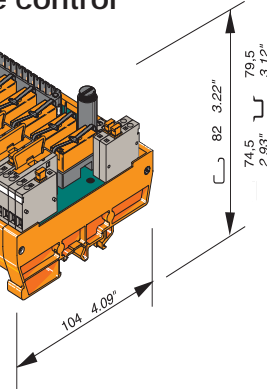
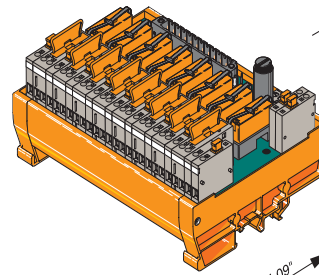
PLC decoupling interface
8-relay interface
Omniconnect product range

Width : 140 mm 5.51"



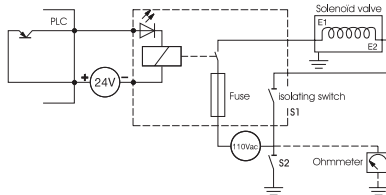
Pluggable relay.
Delivered with 5 x 20 mm fuse - High interrupting capacity.
Rating 1 A - 250 V. on PLC board power supply.
Rating 2 A - 250 V. on relay contact.
- Command indication by green LED.
- 5 x 20 mm fuse in series with the relay contact which protects the solenoid valve in case of a short circuit.

8 N relays 1T relay output interface for solenoid valve control



Wiring diagram

In the automobile industry, 50% of PLC outputs control solenoid valves which work in pairs to control pneumatic or hydraulic cylinders.
Each solenoid valve is protected by a fuse, equipped with an isolating switch, and is grounded with a green/yellow wire.



If an insulation failure occurs between the solenoid valve's E1 (+) and the ground (coil wire in contact with the frame), the fuse provides short circuit protection. A fault may appear between the solenoid valve's E2 (-) and the ground without disturbing operation.
To detect these faults, inspection operations are conducted.

Inspection operation:

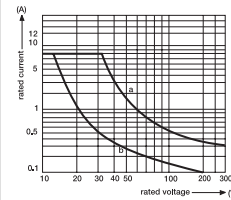
After opening S2, measure the resistance between the circuit and the ground; by successively opening all of the isolating switches S1, the solenoid valve (E2) in contact with ground is detected when the ohmmeter registers a high value.

Part numbers	Type	P/N
The units are delivered equipped with relays.	RIOM 8 CEV - 24 VDC	0021 075.16
The relays are also available separately.	Schrack® relay 24V	0179 208.24

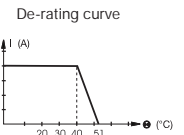
Characteristics

COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		15 mA
Trip voltage		2,4 VDC
CONTACT		
Type		1 T
Voltage mini. / max.		5 V / 250 VAC
Switching current mini. / max.		1 mA / 5 A
Breaking capacity	AC1 mini. / max.	5 m VA / 1250 VA
	DC1 mini. / max.	5 m W / see graphs
Max. load		see graph
Number of operations	on load	10 ⁵
Number of operations	off load	30 x 10 ⁶
Operating speed	C/O	7 ms / 8 ms
Bounce		1 ms
Isolation Coil / Contact		2,5 kV
Resistance to shock waves	Coil / Contact	
Isolation Contact / Contact		
Distribution on the positive side of the contacts		16 A by group of 8
Distribution on the negative side of the EV's		16 by group of 8
TEMPERATURE		
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 51°C

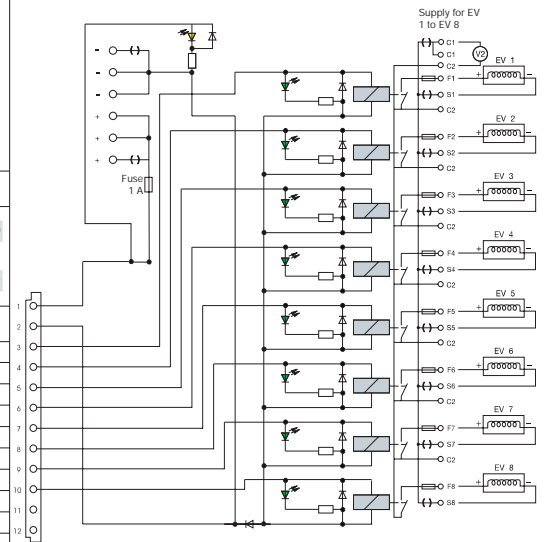
Wire capacity	0 - 2,5 mm ²			
Accessories	Type	P/N		
Rail EN 50035	2 m	PR1.Z2	32 x 15	0163 050.04
Rail EN 50022	2 m	PR3.Z2	35 x 7,5 x 1	0174 300.17
Rail EN 50022	2 m	PR4	35 x 15 x 2,3	0168 500.12
Rail		PR5	35 x 15 x 1,5	0168 700.22
End stop(all rails)		BAM	th. 9,1 mm	0103 002.26



* Load limit for DC
a : resistance
b : inductive load,
L/R = 20 ms



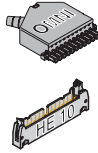
Wiring diagram



Interface with negative common connection.

Interface compatible with automate output cards with positive common connection.

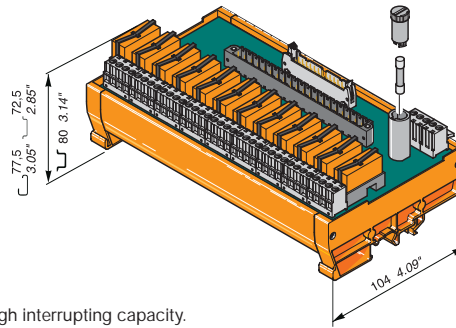
interfast



PLC decoupling interface 12-relay interface
Omniconnect and HE 10/26 product range

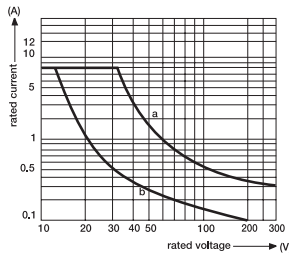
12 N/P relays 1 RT relay output interface

Width : 192 mm 7.56"



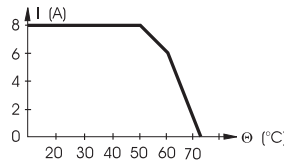
Pluggable relay.
Delivered with 5 x 20 mm fuse - High interrupting capacity.
Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

a : resistance
b : inductive load, L/R = 20 ms

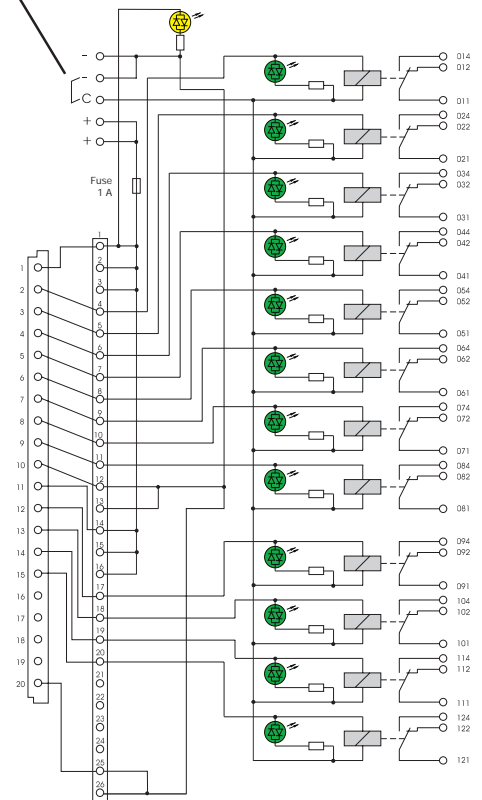


De-rating curve

Wiring diagram

Interface with negative or positive common connection.

Jumper allowing either a common + or a common -
Delivered connected with common -



Interface compatible with automate output cards with positive or negative common connection.

Part numbers	Type	P/N
The units are delivered equipped with relays. The relays are also available separately.	RI 1221 N/P - 24 VDC	0021 083.07
	Schrack® relay 24 V	0179 208.24
Characteristics		
COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		15 mA
Trip voltage		2,4 VDC
CONTACT		
Type		1 RT
Voltage mini. / max.		5 V / 250 VAC
Switching current mini. / max.		1 mA / 8 A
Breaking capacity	AC1 mini. / max.	5 mVA / 2000 VA
	DC1 mini. / max.	5 mW / see graphs
Max. load		see graph
Number of operations	on load	10 ⁵
Number of operations	off load	30 x 10 ⁶
Operating speed	C/O	7 ms / 8 ms
Bounce		1 ms
Isolation Coil / Contact		5 kV
Resistance to shock waves	Coil / Contact	10 kV
Isolation Contact / Contact		2 kV
E.M.C.		Level 4
TEMPERATURE		
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 74°C
Wire capacity		0 - 2,5 mm ²
Accessories		
	Type	P/N
Rail EN 50035	2 m PR1.Z2	32 x 15 0163 050.04
Rail EN 50022	2 m PR3.Z2	35 x 7,5 x 1 0174 300.17
Rail EN 50022	2 m PR4	35 x 15 x 2,3 0168 500.12
Rail	PR5	35 x 15 x 1,5 0168 700.22
End stop(all rails)	BAM	th. 9,1 mm 0103 002.26

interfast

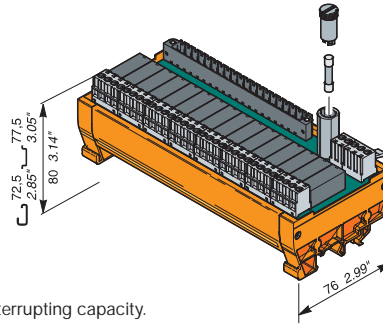


PLC decoupling interface
16-relay interface
Omniconnect product range

Width 170 mm 6.69"

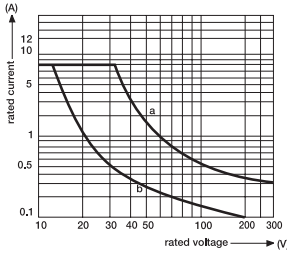


16 N/P relays
1 T relay output interface



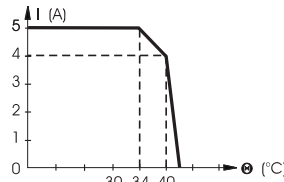
Non removable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

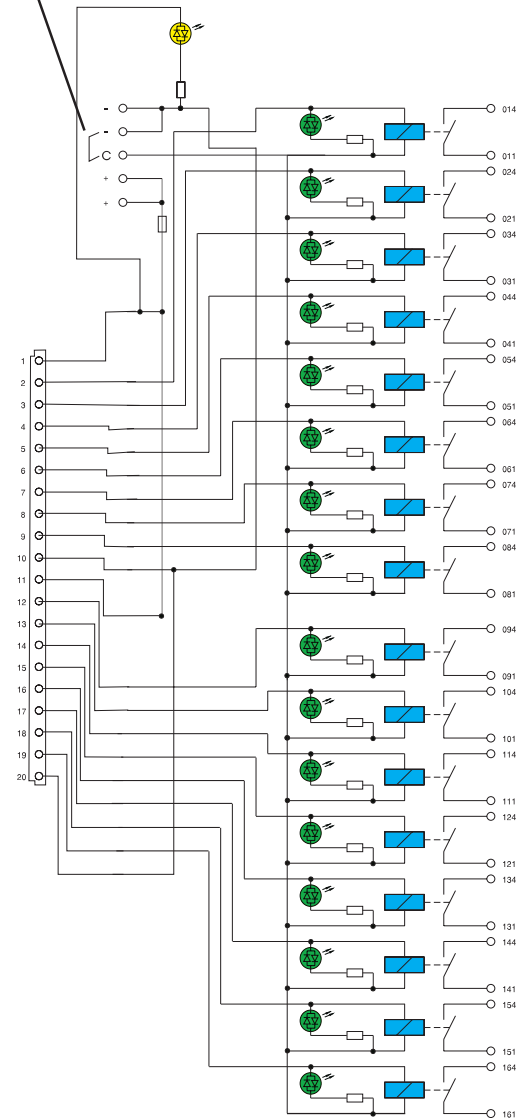
a : resistance
 b : inductive load, L/R = 20 ms



De-rating curve

Wiring diagram

Interface with negative or positive common connection.
 Jumper allowing either a common + or a common -
 Delivered connected with common -



Interface compatible with automate output cards with positive or negative common connection.

Part numbers

The units are delivered equipped with non removable relays.

Type	P/N
RI OM 1611 N/P - 24 VDC	0021 080.10

Characteristics

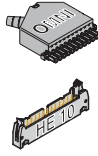
COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		15 mA
Trip voltage		2,4 VDC
Power		0,36 W
CONTACT		
Type		1 T
Voltage mini. / max.		5 V / 250 VAC
Switching current mini. / max.		1 mA / 5 A
Breaking capacity	AC1 mini. / max.	5 m VA / 1250 VA
	DC1 mini. / max.	5 m W / see graphs
Max. load		see graph
Number of operations	on load	10 ⁵
	off load	5 x 10 ⁶
Operating speed	C	7 ms
	O	8 ms
Bounce		1 ms
Isolation Coil / Contact		2,5 kV
Resistance to shock waves	Coil / Contact	
Isolation Contact / Contact		1,5 kV
TEMPERATURE		
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 42°C

Wire capacity	0 - 2,5 mm ²	
---------------	-------------------------	--

Accessories

	Type		P/N	
Rail EN 50035	2 m	PR1.Z2	32 x 15	0163 050.04
Rail EN 50022	2 m	PR3.Z2	35 x 7,5 x 1	0174 300.17
Rail EN 50022	2 m	PR4	35 x 15 x 2,3	0168 500.12
Rail		PR5	35 x 15 x 1,5	0168 700.22
End stop(all rails)		BAM	th. 9,1 mm	0103 002.26

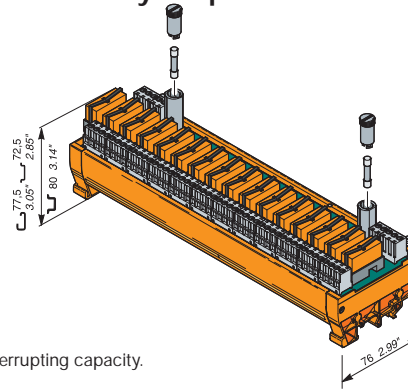
interfast



PLC decoupling interface
16-relay interface
Omniconnect product range
HE 10/26 product range

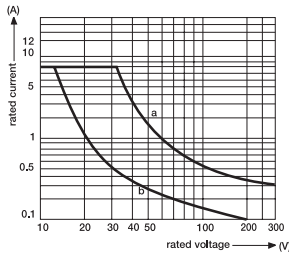
16 N/P relays 1 RT relay output interface

Width 252 mm 9.92"



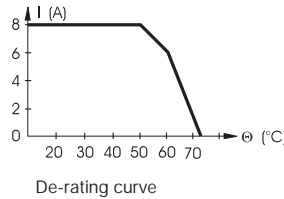
Pluggable relay.
Delivered with 5 x 20 mm fuse - High interrupting capacity.
Rating 1 A - 250 V.

Wiring diagram



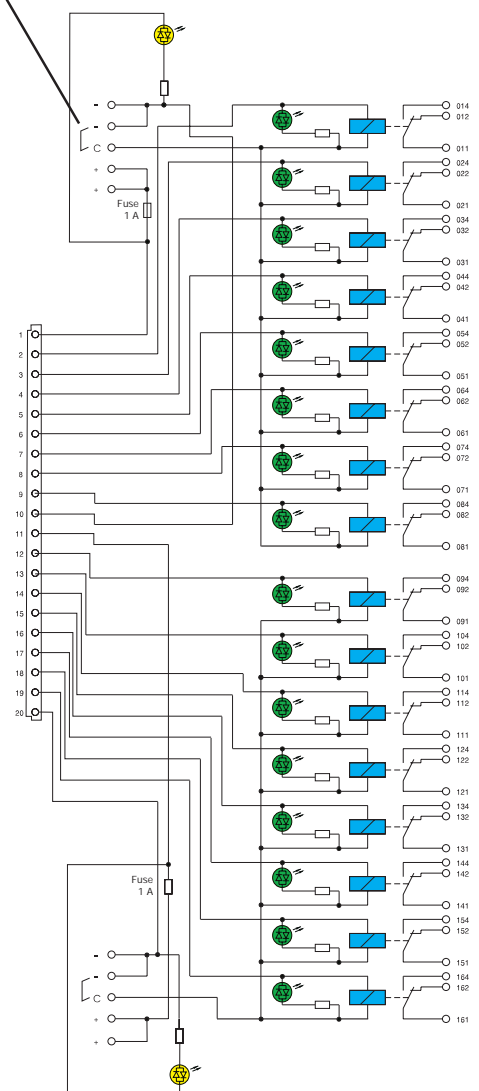
* Load limit for DC

a : resistance
b : inductive load, L/R = 20 ms



Wiring diagram

Interface with negative or positive common connection.
Jumper allowing either a common + or a common -
Delivered connected with common -



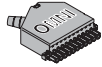
Interface compatible with automate output cards with positive or negative common connection.

Part numbers	Type	P/N
The units are delivered equipped with relays. The relays are also available separately.	RI OM 1621 N/P - 24 VDC	0021 082.06
	Schrack® relay 24V	0179 208.24

Characteristics		
COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		15 mA
Trip voltage		2,4 VDC
CONTACT		
Type		1 RT
Voltage mini. / max.		5 V / 250 VAC
Switching current mini. / max.		1 mA / 8 A
Breaking capacity	AC1 mini. / max.	5 m VA / 2000 VA
	DC1 mini. / max.	5 m W / see graphs
Max. load		
Number of operations	on load	10 ⁵
Number of operations	off load	30 x 10 ⁶
Operating speed	C	7 ms
	O	8 ms
Bounce		1 ms
Isolation Coil / Contact		5 kV
Resistance to shock waves	Coil / Contact	
Isolation Contact / Contact		2,5 kV
TEMPERATURE		
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 74°C
Wire capacity		
		0 - 2,5 mm ²

Accessories	Type	P/N
Rail EN 50035	2 m PR1.Z2	32 x 15 0163 050.04
Rail EN 50022	2 m PR3.Z2	35 x 7,5 x 1 0174 300.17
Rail EN 50022	2 m PR4	35 x 15 x 2,3 0168 500.12
Rail	PR5	35 x 15 x 1,5 0168 700.22
End stop(all rails)	BAM	th. 9,1 mm 0103 002.26

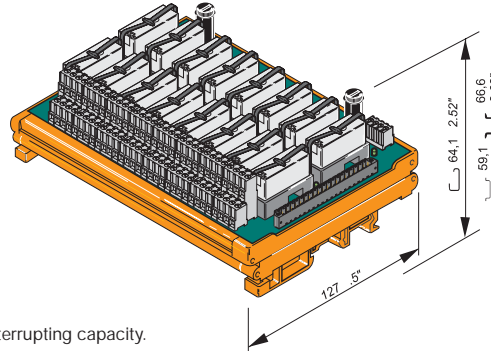
interfast



PLC decoupling interface
16-relay interface
Omniconnect product range

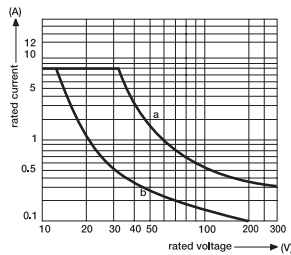
16 N/P relays Compact 1 RT relay output interface

Width : 165 mm 6.49"



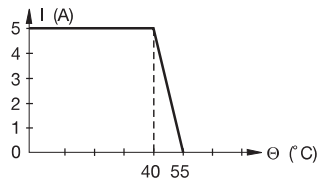
Pluggable relay.
Delivered with 5 x 20 mm fuse - High interrupting capacity.
Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

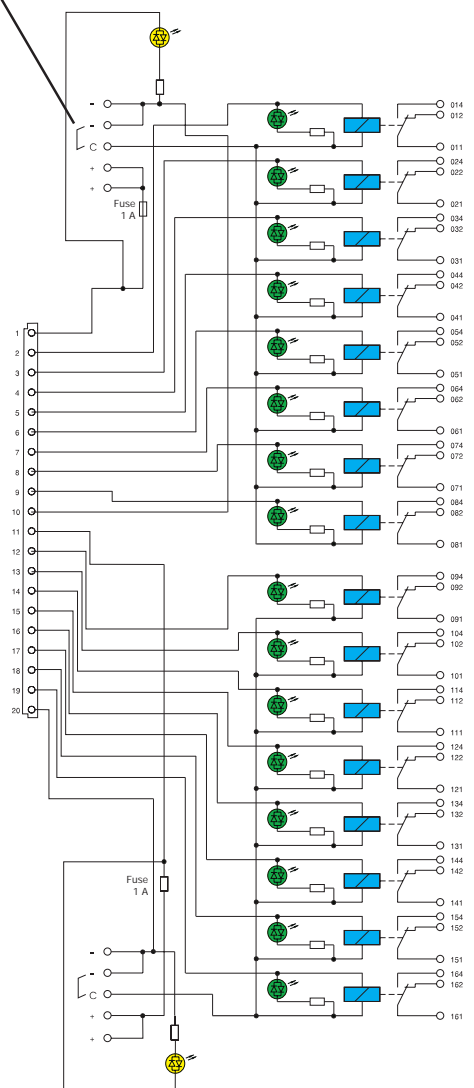
a : resistance
b : inductive load, L/R = 20 ms



De-rating curve

Wiring diagram

Interface with negative or positive common connection.
Jumper allowing either a common + or a common -
Delivered connected with common -



Interface compatible with automate output cards with positive or negative common connection.

Part numbers

The units are delivered equipped with relays.
The relays are also available separately.

Type	P/N
RICOM 1621 N/P -24	0020 915.10
Schrack® relay 24V	0179 208.24

Characteristics

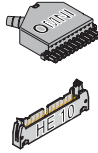
COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		15 mA
Trip voltage		2,4 VDC
CONTACT		
Type		1 RT
Voltage mini. / max.		5 V / 250 VAC
Switching current mini. / max.		1 mA / 5 A
Breaking capacity	AC1 mini. / max.	5 m VA / 1250 VA
	DC1 mini. / max.	5 m W / see graphs
Max. load		
Number of operations	on load	10 ⁵
Number of operations	off load	30 x 10 ⁶
Operating speed	C	7 ms
	O	8 ms
Bounce		1 ms
Isolation Coil / Contact		2,5 kV
Resistance to shock waves	Coil / Contact	
Isolation Contact / Contact		1,5 kV
TEMPERATURE		
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 55°C

Accessories

	Type		P/N	
Rail EN 50035	2 m	PR1.Z2	32 x 15	0163 050.04
Rail EN 50022	2 m	PR3.Z2	35 x 7,5 x 1	0174 300.17
Rail EN 50022	2 m	PR4	35 x 15 x 2,3	0168 500.12
Rail		PR5	35 x 15 x 1,5	0168 700.22
End stop(all rails)		BAM	th. 9,1 mm	0103 002.26

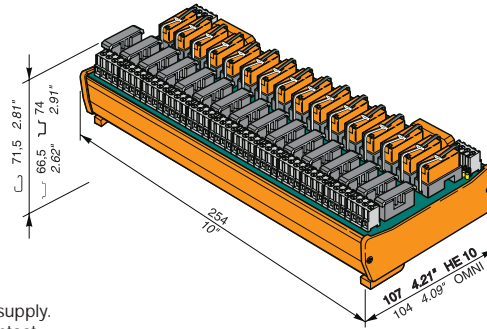
interfast

PLC decoupling
interface
16-relay
interface Omnicontact
product range
HE 10/26 product range



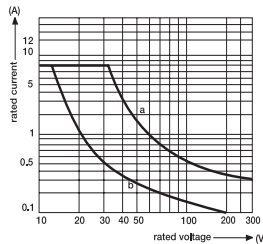
**16 N/P relays
1 RT relay output interface
with fused on common contact**

Width: 254 mm 10.0"



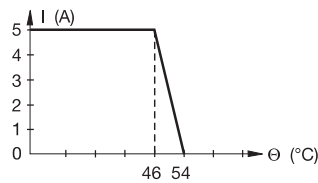
Pluggable relay.
Delivered with 5 x 20 mm fuse.
1 A - 250 V fuse on PLC power supply.
5 A - 250 V fuse on common contact.

Wiring diagram



* Load limit for DC

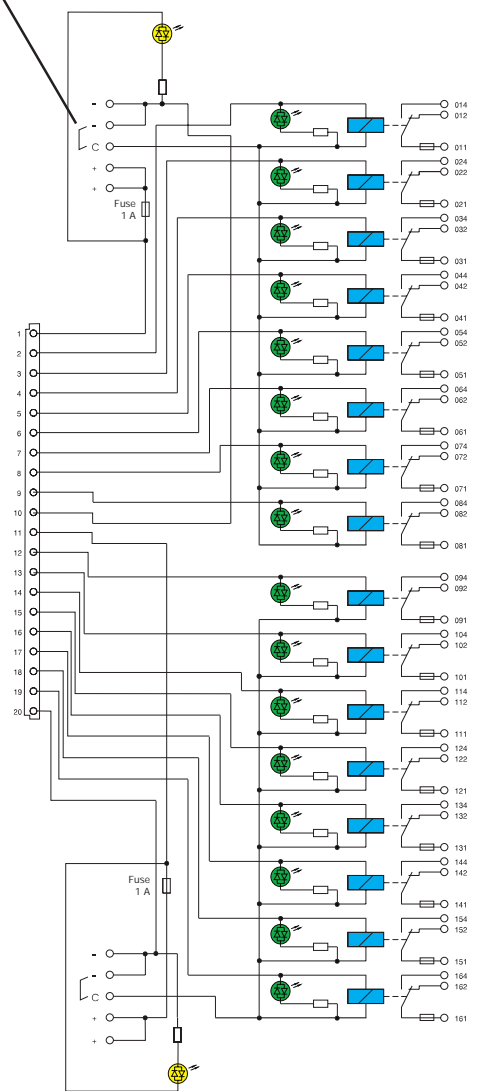
a : resistance
b : inductive load, L/R = 20 ms



De-rating curve

Wiring diagram

Interface with negative or positive common connection.
Jumper allowing either a common + or a common -
Delivered connected with common -

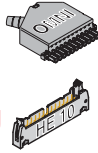


Interface compatible with automate output cards with positive or negative common connection.

Part numbers		Type	P/N
The units are delivered equipped with relays. The relays are also available separately.		RI OM 1621 N/P-F-24	0020 927.14
		Schrack® relay 24 V	0179 208.24
Characteristics			
COIL			
Rated voltage	+ 20%, - 15%	24 VDC	
Rated current		15 mA	
Trip voltage		2,4 VDC	
CONTACT			
Type		1 RT	
Voltage mini. / max.		5 V / 250 VAC	
Switching current mini. / max.		1 mA / 5 A	
Breaking capacity	AC1 mini. / max. DC1 mini. / max.	5 m VA / 1250 VA 5 m W / see graphs	
Max. load		see graph	
Number of operations	on load	10 ⁵	
Number of operations	off load	30 x 10 ⁶	
Operating speed	C	7 ms	
	O	8 ms	
Bounce		1 ms	
Isolation Coil / Contact		5 kV	
Resistance to shock waves	Coil / Contact		
Isolation Contact / Contact		2,5 kV	
E.M.C.		Level 4	
TEMPERATURE			
Ambient temperature	Storage	- 40°C to + 80°C	
	Operating	- 20°C to + 59°C	
Wire capacity		0 - 2,5 mm ²	
Accessories		Type	P/N
Rail EN 50035	2 m	PR1.Z2	0163 050.04
Rail EN 50022	2 m	PR3.Z2	0174 300.17
Rail EN 50022	2 m	PR4	0168 500.12
Rail		PR5	0168 700.22
End stop(all rails)		BAM	0103 002.26

interfast

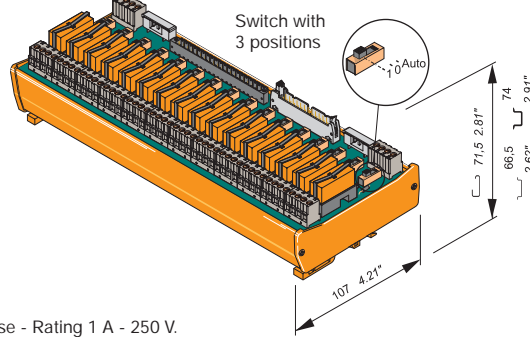
PLC decoupling interface
16-relay interface Omnicomnect and HE 10/26 product range



Width: 252 mm 9.92"

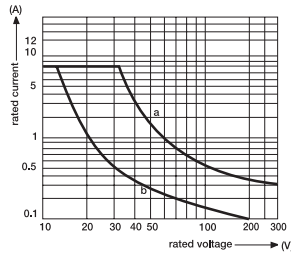


16 N/P relays 1 RT relay output interface with coil override



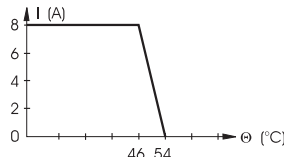
Pluggable relay.
Delivered with 5 x 20 mm fuse - Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

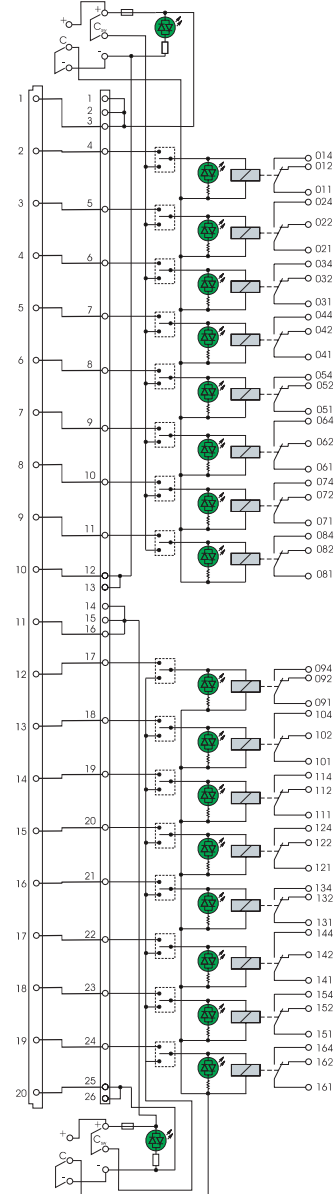
a : resistance
b : inductive load, L/R = 20 ms



De-rating curve

Wiring diagram

Interface with negative or positive common connection.



Interface compatible with automate output cards with positive or negative common connection.

Part numbers

The units are delivered equipped with relays. The relays are also available separately.

Type	P/N
RI 1621 N/P- SW-24	0020 928.25
Schrack® relay 24 V	0179 208.24

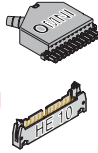
Characteristics

COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		15 mA
Trip voltage		2,4 VDC
CONTACT		
Type		1 RT
Voltage mini./max.		5 V / 250 VAC
Switching current mini. / max.		1 mA / 8 A
Breaking capacity	AC1 mini. / max.	5 m VA / 2000 VA
	DC1 mini. / max.	5 m W / see graphs
Max. load		see graph
Number of operations	on load	10 ⁵
	off load	30 x 10 ⁶
Operating speed	C	7 ms
	O	8 ms
Bounce		1 ms
Isolation Coil / Contact		5 kV
Resistance to shock waves	Coil / Contact	
Isolation Contact / Contact		2,5 kV
TEMPERATURE		
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 54°C
Wire capacity		0 - 2,5 mm ²

Accessories

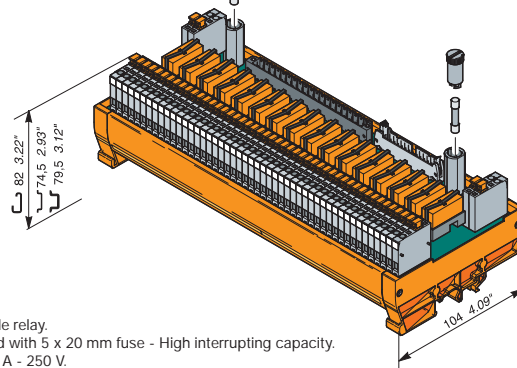
	Type	P/N
Rail EN 50035	PR1.Z2	32 x 15
Rail EN 50022	PR3.Z2	35 x 7,5 x 1
Rail EN 50022	PR4	35 x 15 x 2,3
Rail	PR5	35 x 15 x 1,5
End stop(all rails)	BAM	th. 9,1 mm

interfast
PLC decoupling interface
16-relay interface
Omniconnect and HE 10/26 product range



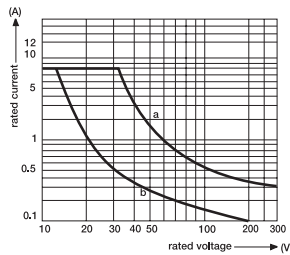
16 N/P relays
1 RT relay output interface with switch terminal

Width: 271 mm 10.67"

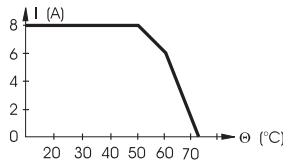


Pluggable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 Rating 1 A - 250 V.

Wiring diagram



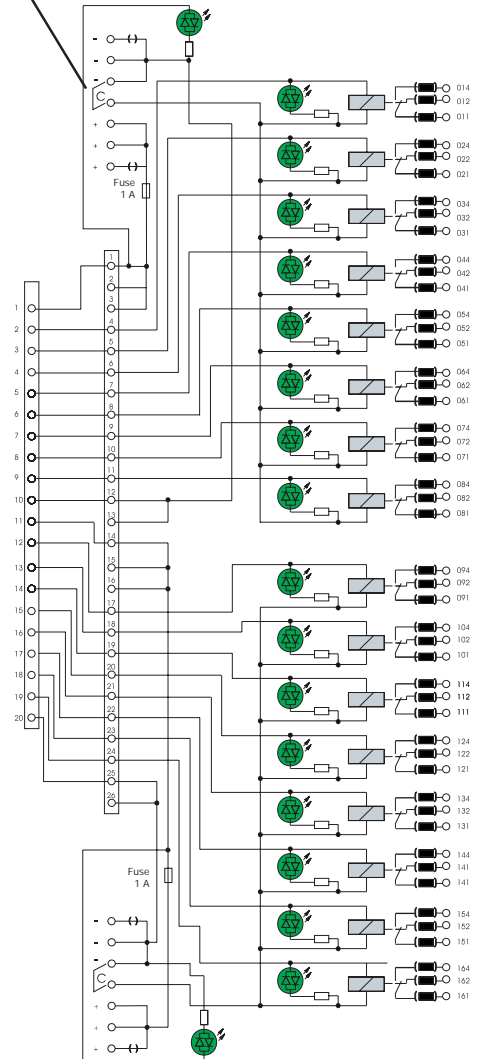
* Load limit for DC
 a : resistance
 b : inductive load, L/R = 20 ms



De-rating curve

Wiring diagram

Interface with negative or positive common connection.
 Jumper allowing either a common + or a common -
 Delivered connected with a common -

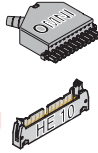


Interface compatible with automate output cards with positive or negative common connection.

Part numbers	Type	P/N
The units are delivered equipped with relays The relays are also available separately.	RI 1621 N/P-S-24VDC	0020 929.26
	Schrack® relay 24 V	0179 208.24
Characteristics		
COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		15 mA
Trip voltage		2,4 VDC
CONTACT		
Type		1 RT
Voltage mini. / max.		5 V / 250 VAC
Switching current mini. / max.		1 mA / 8 A
Breaking capacity	AC1 mini. / max.	5 m VA / 2000 VA
	DC1 mini. / max.	5 m W / see graphs
Max. load		see graph
Number of operations	on load	10 ⁵
Number of operations	off load	30 x 10 ⁶
Operating speed	C	7 ms
	O	8 ms
Bounce		1 ms
Isolation Coil / Contact		2,5 kV
Resistance to shock waves	Coil / Contact	
Isolation Contact / Contact		
TEMPERATURE		
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 74°C
Wire capacity		0 - 2,5 mm ²
Accessories		
	Type	P/N
Rail EN 50035	2 m PR1.Z2	32 x 15 0163 050.04
Rail EN 50022	2 m PR3.Z2	35 x 7,5 x 1 0174 300.17
Rail EN 50022	2 m PR4	35 x 15 x 2,3 0168 500.12
Rail	PR5	35 x 15 x 1,5 0168 700.22
End stop(all rails)	BAM	th. 9,1 mm 0103 002.26

interfast

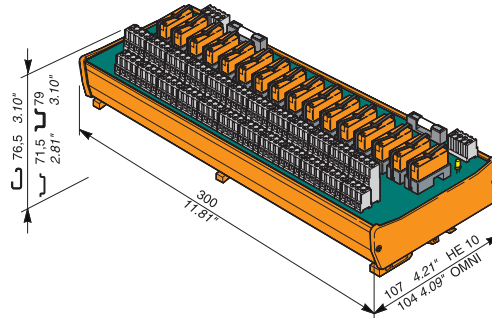
PLC decoupling interface
16-relay interface Omnicontact and HE 10/26 product range



Width: 300 mm 11.81"

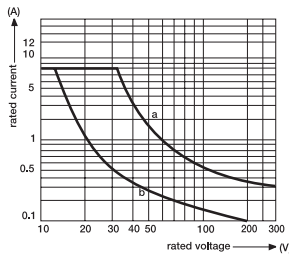


16 N/P relays 2 RT relay output interface



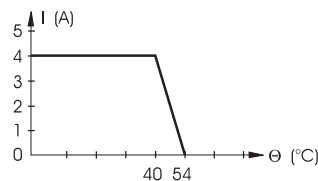
Pluggable relay.
Delivered with 5 x 20 mm fuse - High interrupting capacity.
Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

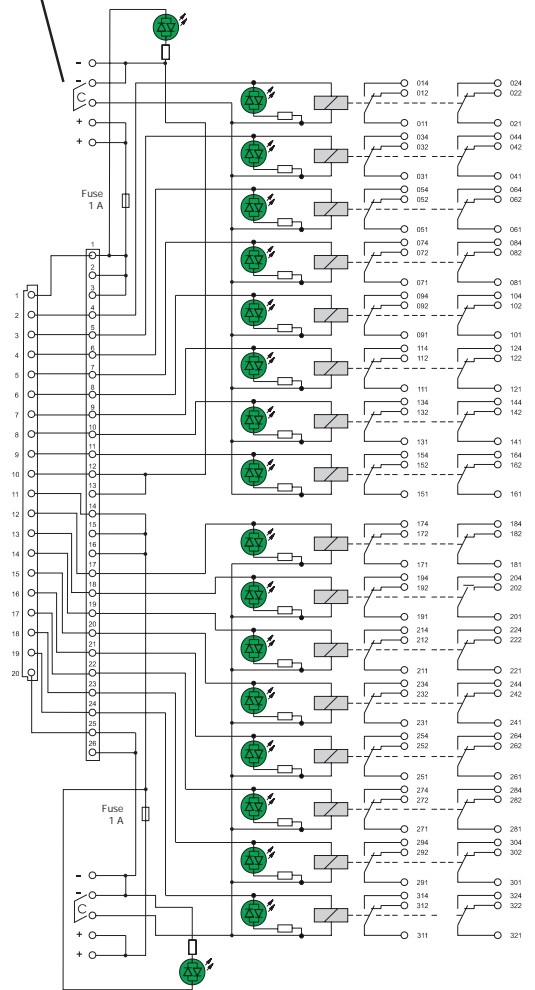
a : resistance
b : inductive load, L/R = 20 ms



De-rating curve

Wiring diagram

Interface with negative or positive common connection.
Jumper allowing either a common + or a common -
Delivered connected with a common -



Interface compatible with automate output cards with positive or negative common connection.

Part numbers

The units are delivered equipped with relays. The relays are also available separately.

Type	P/N
RI 1622 N/P- 24	0020 930.23
Schrack® relay 24 V	0210 021.26

Characteristics

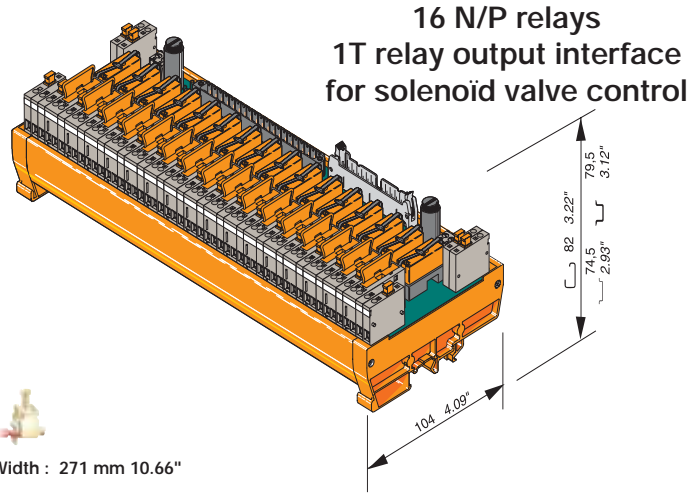
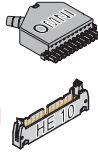
COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		21 mA
Trip voltage		2.4 VDC
CONTACT		
Type		2 RT
Voltage mini./max.		12 V / 250 VAC
Switching current mini. / max.		100 mA / 4 A
Breaking capacity	AC1 mini. / max. DC1 mini. / max.	1,2 VA / 1000 VA 1,2 W / see graphs
Max. load		see graph
Number of operations	on load	2×10^5
Number of operations	off load	30×10^6
Operating speed	C/O	9 ms / 12 ms
Bounce		2 ms
Isolation Coil / Contact		3,5 kV
Resistance to shock waves	Coil / Contact	10 kV
Isolation Contact / Contact		2 kV
E.M.C.		Level 4
TEMPERATURE		
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 54°C
Wire capacity		0 - 2,5 mm ²

Accessories

	Type	P/N	
Rail EN 50035	PR1.Z2	32 x 15	0163 050.04
Rail EN 50022	PR3.Z2	35 x 7,5 x 1	0174 300.17
Rail EN 50022	PR4	35 x 15 x 2,3	0168 500.12
Rail	PR5	35 x 15 x 1,5	0168 700.22
End stop(all rails)	BAM	th. 9,1 mm	0103 002.26

interfast

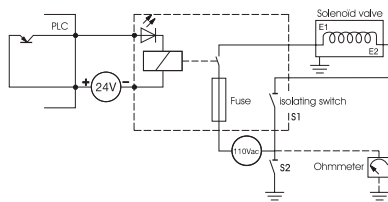
PLC decoupling interface
16-relay interface
Omniconnect and HE 10/26 product range



Pluggable relay.
Delivered with 5 x 20 mm fuse - High interrupting capacity.
Rating 1 A - 250 V. on PLC board power supply.
Rating 2 A - 250 V. on relay contact.
- Command indication by green LED.
- 5 x 20 mm fuse in series with the relay contact which protects the solenoid valve in case of a short circuit.

Wiring diagram

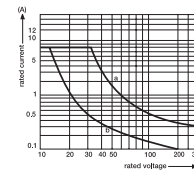
In the automobile industry, 50% of PLC outputs control solenoid valves which work in pairs to control pneumatic or hydraulic cylinders.
Each solenoid valve is protected by a fuse, equipped with an isolating switch, and is grounded with a green/yellow wire.



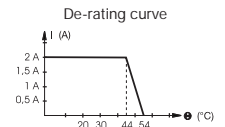
If an insulation failure occurs between the solenoid valve's E1 (+) and the ground (coil wire in contact with the frame), the fuse provides short circuit protection. A fault may appear between the solenoid valve's E2 (-) and the ground without disturbing operation.
To detect these faults, inspection operations are conducted.

Inspection operation:

After opening S2, measure the resistance between the circuit and the ground; by successively opening all of the isolating switches S1, the solenoid valve (E2) in contact with ground is detected when the ohmmeter registers a high value.

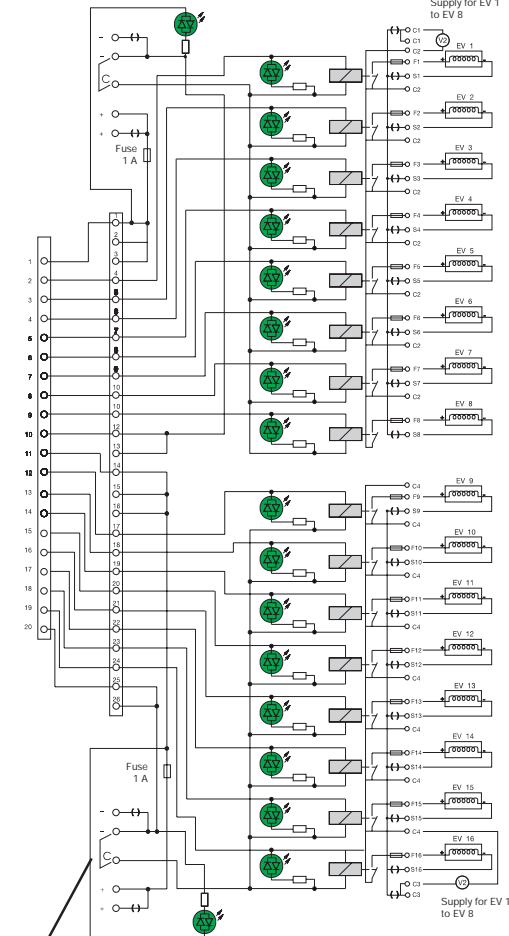


* Load limit for DC
a : resistance
b : inductive load,
L/R = 20 ms



Wiring diagram

Interface with negative or positive common connection.



Jumper allowing either a common + or a common -
Delivered connected with a common -
Interface compatible with automate output cards with positive or negative common connection.

Part numbers	Type	P/N
RI 16 CEV N/P - 24 V DC	Schrack® relay 24V	0020 931.10 0179 208.24
The units are delivered equipped with relays. The relays are also available separately.		
Characteristics		
COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		15 mA
Trip voltage		2,4 VDC
CONTACT		
Type		1 T
Voltage mini. / max.		5 V / 250 VAC
Switching current mini. / max.		1 mA / 5 A
Breaking capacity	AC1 mini. / max. DC1 mini. / max.	5 m VA / 1250 VA 5 m W / see graphs
Max. load		see graph
Number of operations	on load	10 ⁵
Number of operations	off load	30 x 10 ⁶
Operating speed	C/O	7 ms / 8 ms
Bounce		1 ms
Isolation Coil / Contact		2,5 kV
Resistance to shock waves	Coil / Contact	
Isolation Contact / Contact		
Distribution on the positive side of the contacts		16 A by group of 8
Distribution on the negative side of the EV's		16 A by group of 8
TEMPERATURE		
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 51°C
Wire capacity		0 - 2,5 mm ²
Accessories	Type	P/N
Rail EN 50035	2 m PR1.Z2	32 x 15 0163 050.04
Rail EN 50022	2 m PR3.Z2	35 x 7,5 x 1 0174 300.17
Rail EN 50022	2 m PR4	35 x 15 x 2,3 0168 500.12
Rail	PR5	35 x 15 x 1,5 0168 700.22
End stop(all rails)	BAM	th. 9,1 mm 0103 002.26

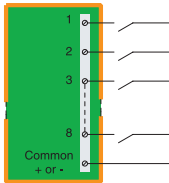
interfast

PLC connector interface
8 channels
with spring connection
Omniconnect Product range



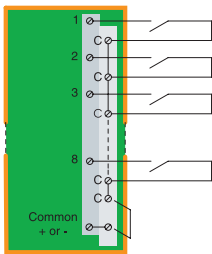
Applications

Single-wire Interface



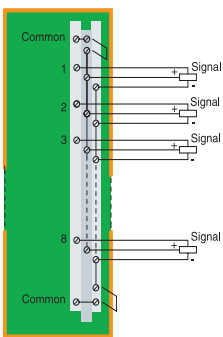
Single-wire sensors or actuators

Two-wire Interface



Two-wire sensors or actuators
Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

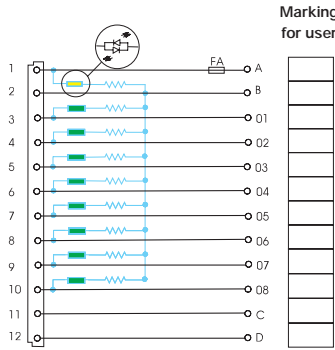
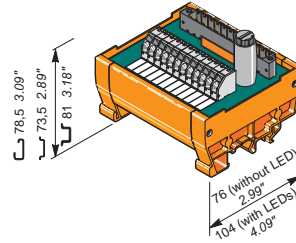
Three-wire Interface



Three-wire sensors
Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Single-wire interface

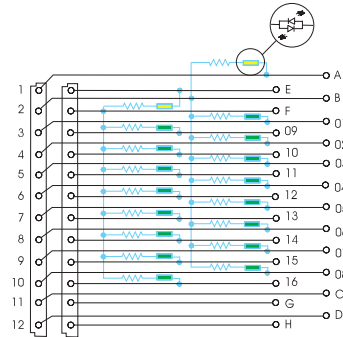
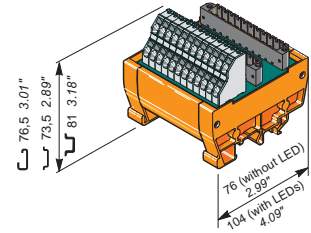
Spacing 78 mm 3.07"



Blue schematic: products equipped with LED

Compact Single-wire interface

Spacing 78 mm 3.07"



Blue schematic: products equipped with LED

Part numbers		Type	Part number	mm	L	inch	Type	Part number	mm	L	inch
8 channels without LED	0	BFOM-1R-8	0032 124.07	78		3.07					
8 channels with LEDs	1	BFOM-1R-8-L	0032 126.01	78		3.07					
16 channels without LED	4						BF20M-1R-16	0032 120.17	78		3.07
16 channels with LEDs	5						BF20M-1R-16-L	0032 122.05	78		3.07

Characteristics	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 VDC	135 V AC/DC	30 VDC
Maximum current per point		2 A		2 A
Maximum current in common wires		5 A		5 A
Current per LED		5 mA		5 mA
Fuses on the power supply		5 A		
Fuses per point				
Test voltage	1,5 kV	0,5 kV	1,5 kV	0,5 kV
Operating temperature	- 20°C to + 55°C		- 20°C to + 55°C	
Storage temperature	- 40°C to + 80°C		- 40°C to + 80°C	
Type of connector	Omniconnect plug 12 poles		2 Omniconnect plugs 12 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

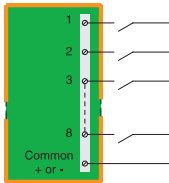
interfast



PLC connector interface
8 channels
with spring connection
Omniconnect Product range

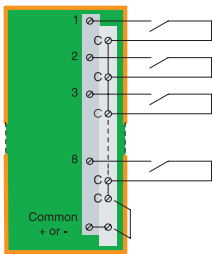
Applications

Single-wire Interface



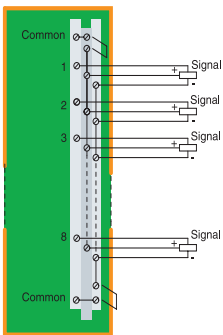
Single-wire sensors or actuators

Two-wire Interface



Two-wire sensors or actuators
 Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

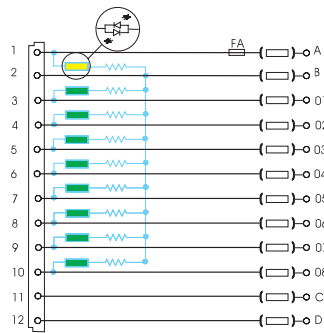
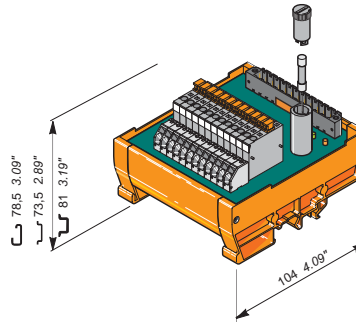
Three-wire Interface



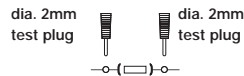
Three-wire sensors
 Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Interruptible interface

Spacing 78 mm 3.07"



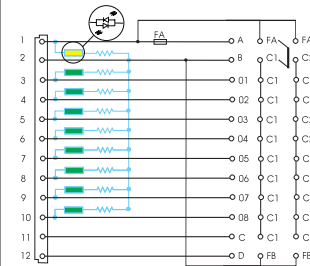
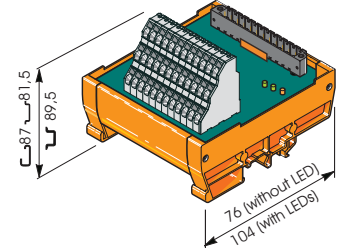
Blue schematic: products equipped with LED



2 mm dia. test points on each side of isolator

Three-wire interface with + and - common

Spacing 78 mm 3.07"



Blue schematic: products equipped with LED

Bridge jumper delivered connected between FA/C1
 May be connected between B/C1

Bridge jumper delivered connected between B/C2
 May be connected between FA/C2

Part numbers

Type	Part number	mm	L	inch	Type	Part number	mm	L	inch
8 channels without LED	BFOM-1R-8-S	78	3.07		BFOM-1R-8-T	0032 148.27	78	3.07	
8 channels with LEDs	BFOM-1R-8-SL	78	3.07		BFOM-1R-8-TL	0032 150.25	78	3.07	

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 VDC	250 V AC/DC	30 VDC
Maximum current per point		2 A		2 A
Maximum current in common wires		5 A		5 A
Current per LED		5 mA		5 mA
Fuses on the power supply		5 A		5 A
Fuses per point				
Test voltage	1,5 kV	0,5 kV	1,5 kV	0,5 kV
Operating temperature	- 20°C to + 55°C		- 20°C to + 55°C	
Storage temperature	- 40°C to + 80°C		- 40°C to + 80°C	
Type of connector	Omniconnect plug 12 poles		Omniconnect plug 12 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

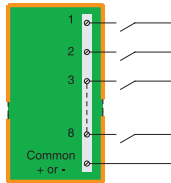
interfast

PLC connector interface
8 channels
with spring connection
Omniconnect Product range



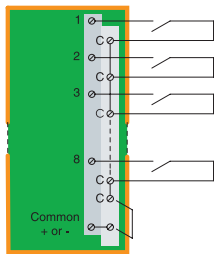
Applications

Single-wire Interface



Single-wire sensors or actuators

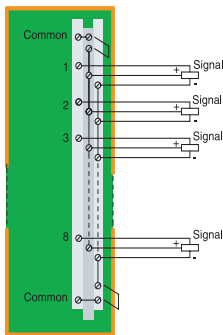
Two-wire Interface



Two-wire sensors or actuators

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Three-wire Interface

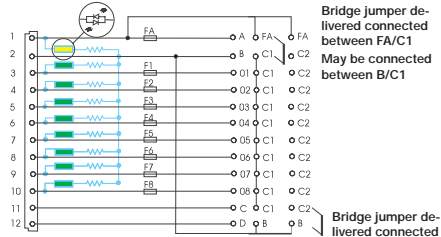
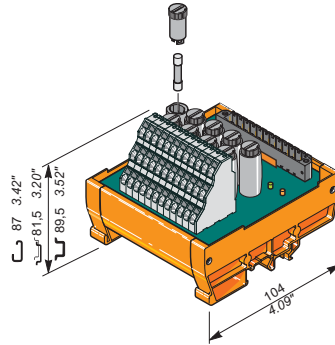


Three-wire sensors

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Three-wire interface with + and - common and fuse on each I/O

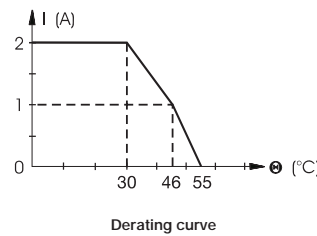
Spacing 78 mm 3.07"



Bridge Jumper delivered connected between FA/C1
May be connected between B/C1

Bridge Jumper delivered connected between B/C2
May be connected between FA/C2

Blue schematic: products equipped with LED



Part numbers

Type	Part number	mm	L	inch	Type	Part number	mm	L	inch
8 channels without LED	BFOM-1R-8-TF	78	3.07		8 channels without LED	BFOM-1R-8-TF	78	3.07	
8 channels with LEDs	BFOM-1R-8-TLF	78	3.07		8 channels with LEDs	BFOM-1R-8-TLF	78	3.07	

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 VDC		
Maximum current per point		2 A		
Maximum current in common wires		5 A		
Current per LED		5 mA		
Fuses on the power supply		5 A		
Fuses per point		2 A		
Test voltage	1,5 kV	0,5 kV		
Operating temperature	See derating curve			
Storage temperature	- 40°C to + 80°C			
Type of connector	Omniconnect plug 12 poles			
Wire capacity	0-2,5 mm ²			

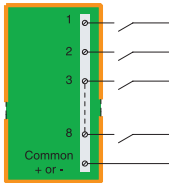
interfast



PLC connector interface
16 channels
with spring connection
Omniconnect Product range

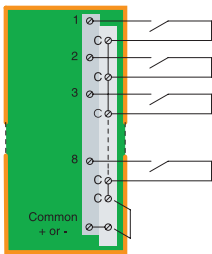
Applications

Single-wire Interface



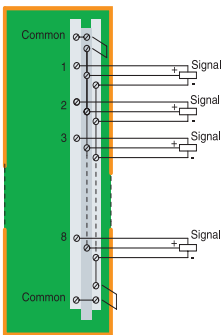
Single-wire sensors or actuators

Two-wire Interface



Two-wire sensors or actuators
Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

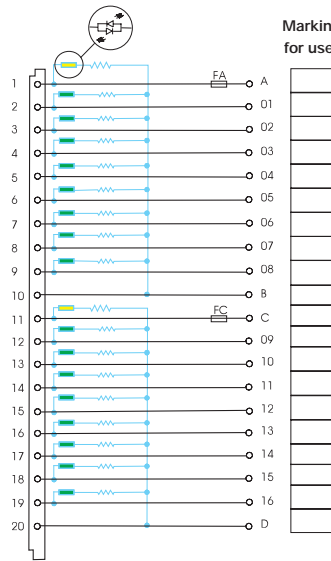
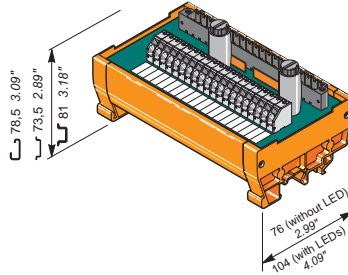
Three-wire Interface



Three-wire sensors
Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Single-wire interface

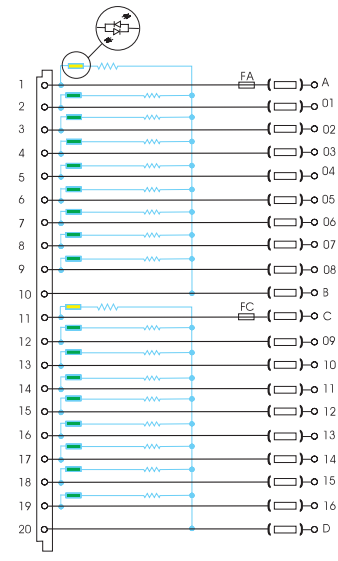
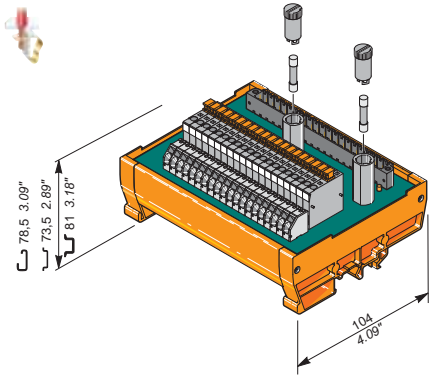
Spacing 127 mm 5"



Blue schematic: products equipped with LED

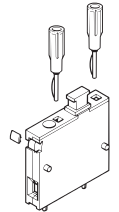
Interruptible interface

Spacing 118 mm 4.65" / 138 mm 5.44"



Blue schematic: products equipped with LED

dia. 2mm test plug



2 mm dia. test points on each side of isolator

Part numbers

	Type	Part number	mm	L	inch	Type	Part number	mm	L	inch
16 channels without LED	2	BFOM-1R-16	127	5		BFOM-1R-16-S	118	4.65		
16 channels with LEDs	3	BFOM-1R-16-L	138	5.44		BFOM-1R-16-SL	138	5.44		

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 VDC	250 V AC/DC	30 VDC
Maximum current per point		2 A	2 A	2 A
Maximum current in common wires		5 A	5 A	5 A
Current per LED		5 mA		5 mA
Fuses on the power supply		5 A		5 A
Fuses per point				
Test voltage	1,5 kV	0,5 kV	1,5 kV	0,5 kV
Operating temperature		- 20°C to + 55°C		- 20°C to + 55°C
Storage temperature		- 40°C to + 80°C		- 40°C to + 80°C
Type of connector	Omniconnect plug 20 poles		Omniconnect plug 20 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

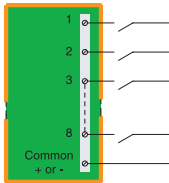
interfast



PLC connector interface
16 channels
with spring connection
Omniconnect Product range

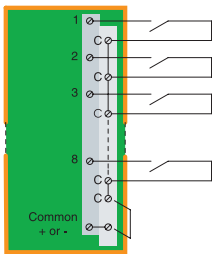
Applications

Single-wire Interface



Single-wire sensors or actuators

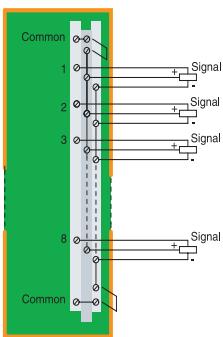
Two-wire Interface



Two-wire sensors or actuators

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Three-wire Interface

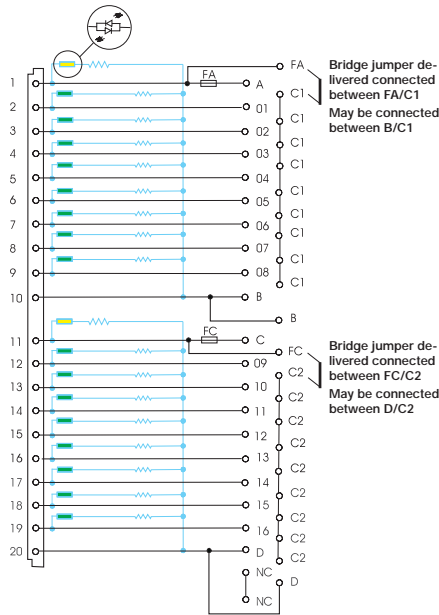
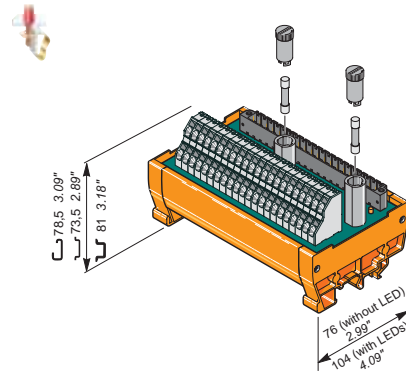


Three-wire sensors

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

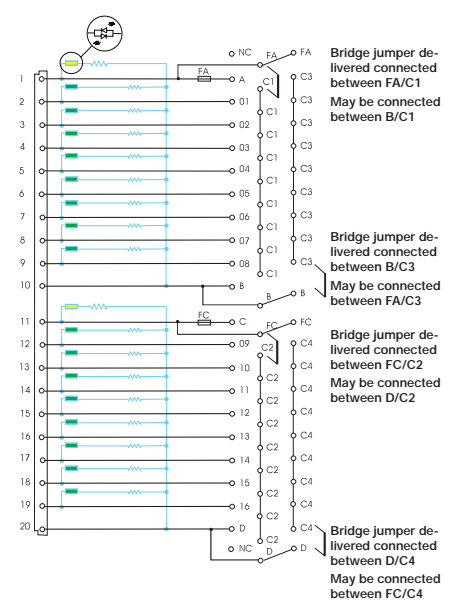
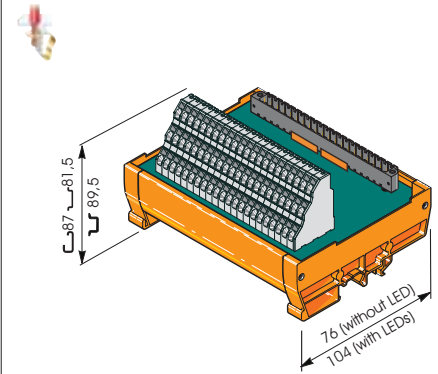
Two-wire interface with choice of + or - common

Spacing 127 mm 5" / 138 mm 5.44"



Three-wire interface with + and - common

Spacing 127 mm 5" / 138 mm 5.44"



Part numbers

	Type	Part number	mm	L	inch	Type	Part number	mm	L	inch
16 channels without LED	2	BFOM-1R-16-B	127	5.00		2	BFOM-1R-16-T	127	5.00	
16 channels with LEDs	3	BFOM-1R-16-BL	138	5.44		3	BFOM-1R-16-TL	138	5.44	

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 VDC	250 V AC/DC	30 VDC
Maximum current per point	2 A		2 A	
Maximum current in common wires	5 A		5 A	
Current per LED		5 mA		5 mA
Fuses on the power supply	5 A		5 A	
Fuses per point				
Test voltage	1,5 kV	0,5 kV	1,5 kV	0,5 kV
Operating temperature	- 20°C to + 55°C		- 20°C to + 55°C	
Storage temperature	- 40°C to + 80°C		- 40°C to + 80°C	
Type of connector	Omniconnect plug 20 poles		Omniconnect plug 20 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

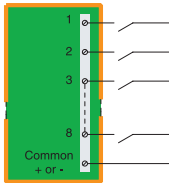
interfast



PLC connector interface
16 channels
with spring connection
Omniconnect Product range

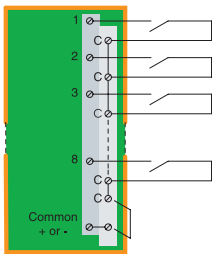
Applications

Single-wire Interface



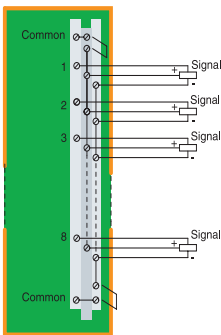
Single-wire sensors or actuators

Two-wire Interface



Two-wire sensors or actuators
 Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

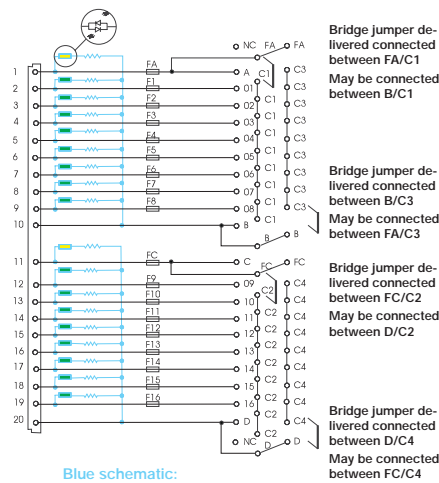
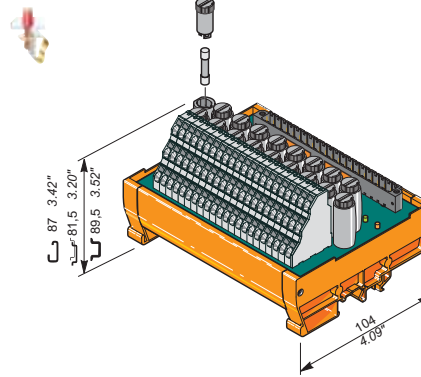
Three-wire Interface



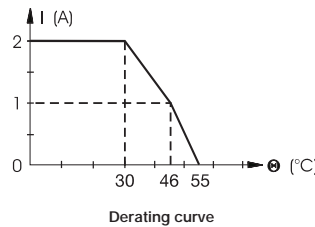
Three-wire sensors
 Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Three-wire interface with + and - common and fuse on each I/O

Spacing 138 mm 5.44"



Blue schematic: products equipped with LED



Part numbers

Type	Part number	mm	L	inch	Type	Part number	mm	L	inch
16 channels without LED	2	BFOM-1R-16-TF	2	0032 153.14	138	5.44			
16 channels with LEDs	3	BFOM-1R-16-TLF	3	0032 155.16	138	5.44			

Characteristics

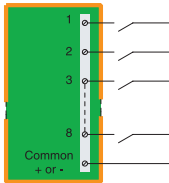
	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 VDC		
Maximum current per point		2 A		
Maximum current in common wires		5 A		
Current per LED		5 mA		
Fuses on the power supply		5 A		
Fuses per point		2 A		
Test voltage	1,5 kV	0,5 kV		
Operating temperature	See derating curve			
Storage temperature	- 40°C to + 80°C			
Type of connector	Omniconnect plug 20 poles			
Wire capacity	0-2,5 mm ²			

interfast

PLC connector interface
2x16 channels
with spring connection
Omnicomnect Product range

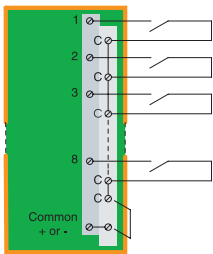
Applications

Single-wire Interface



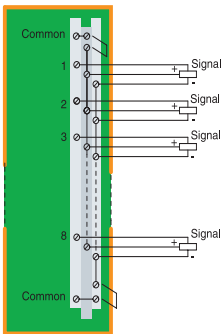
Single-wire sensors or actuators

Two-wire Interface



Two-wire sensors or actuators
Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

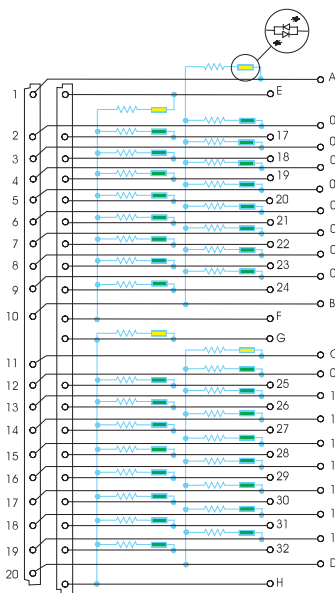
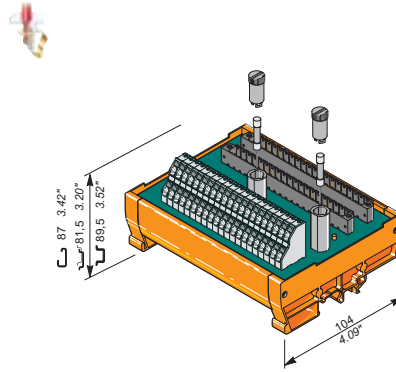
Three-wire Interface



Three-wire sensors
Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Compact Single-wire interface

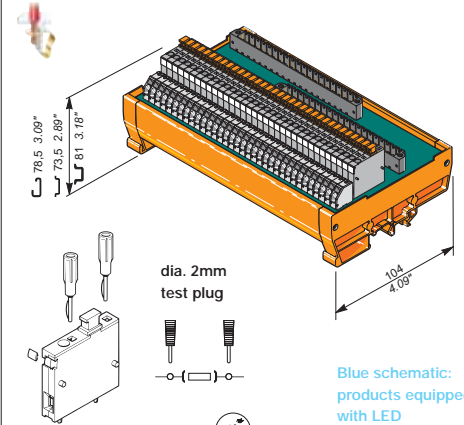
Spacing 118 mm 4.65"



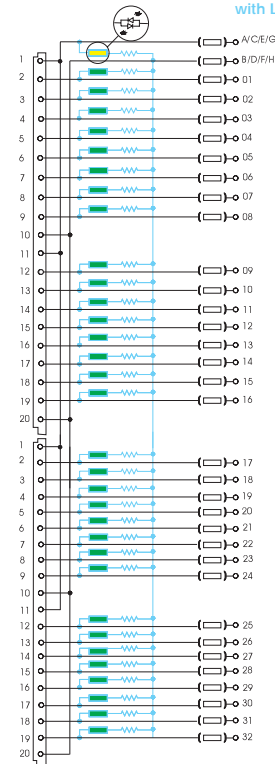
Blue schematic: products equipped with LED

Compact interruptible interface

Spacing 180 mm 7.09"



Blue schematic: products equipped with LED



2 mm dia. test points on each side of isolator

Part numbers

	Type	Part number	mm	L	inch	Type	Part number	mm	L	inch
2x16 channels without LED	6	BF20M-1R-32	0032 121.04	118	4.65	6	BF20M-1R-32-S	0032 197.01	180	7.09
2x16 channels with LEDs	7	BF20M-1R-32-L	0032 123.06	118	4.65	7	BF20M-1R-32-SL	0032 195.07	180	7.09

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	135 V AC/DC	30 VDC	135 V AC/DC	30 VDC
Maximum current per point		2 A		2 A
Maximum current in common wires		5 A		5 A for 8 channels
Current per LED		5 mA		5 mA
Fuses on the power supply				
Fuses per point				
Test voltage	1,5 kV	0,5 kV	1,5 kV	0,5 kV
Operating temperature		- 20°C to + 55°C		- 20°C to + 55°C
Storage temperature		- 40°C to + 80°C		- 40°C to + 80°C
Type of connector	2 Omnicomnect plugs 20 poles		2 Omnicomnect plugs 20 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

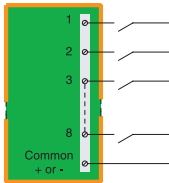
interfast



PLC connector interface
2x16 channels
with spring connection
Omnicomnect Product range

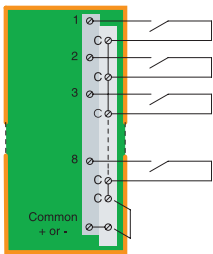
Applications

Single-wire Interface



Single-wire sensors or actuators

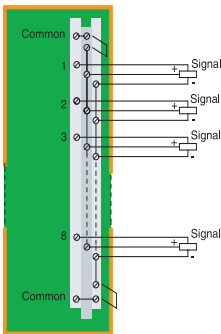
Two-wire Interface



Two-wire sensors or actuators

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Three-wire Interface

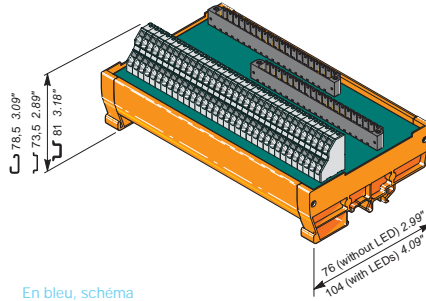


Three-wire sensors

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Compact Two-wire interface

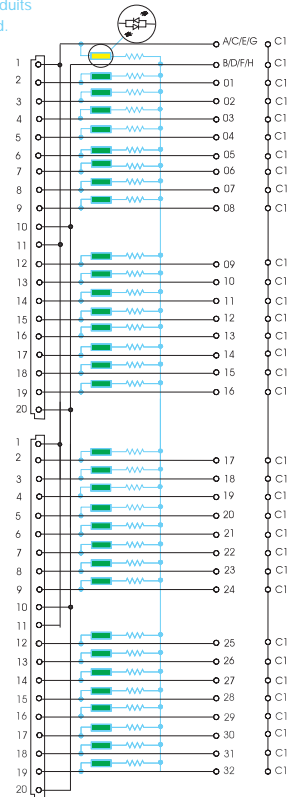
Spacing 180 mm 7.09"



78.5 3.09"
73.5 2.89"
81 3.18"

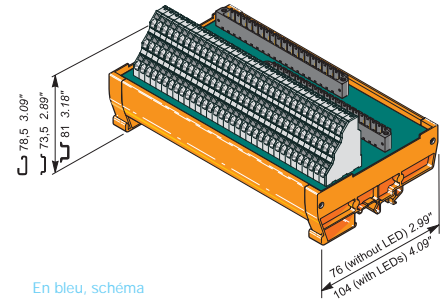
76 (without LED) 2.99"
104 (with LEDs) 4.09"

En bleu, schéma des produits avec led.



Compact Three-wire interface

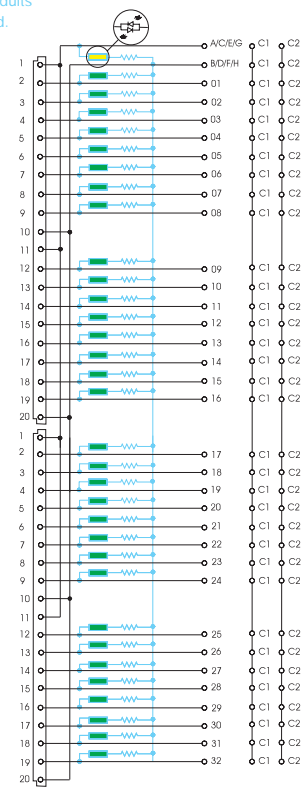
Spacing 150 mm 3.07"



78.5 3.09"
73.5 2.89"
81 3.18"

76 (without LED) 2.99"
104 (with LEDs) 4.09"

En bleu, schéma des produits avec led.



Part numbers

	Type	Part number	mm	L	inch	Type	Part number	mm	L	inch
2x16 channels without LED	6	BF20M-1R-32-B	0032 198.12	180	7.09	BF20M-1R-32-T	0032 196.00	180	7.09	
2x16 channels with LEDs	7	BF20M-1R-32-BL	0032 193.05	180	7.09	BF20M-1R-32-TL	0032 194.06	180	7.09	

Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	135 V AC/DC	30 VDC	135 V AC/DC	30 VDC
Maximum current per point	2 A		2 A	
Maximum current in common wires	5 A for 8 channels		5 A for 8 channels	
Current per LED		5 mA		5 mA
Fuses on the power supply				
Fuses per point				
Test voltage	1,5 kV	0,5 kV	1,5 kV	0,5 kV
Operating temperature	- 20°C to + 55°C		- 20°C to + 55°C	
Storage temperature	- 40°C to + 80°C		- 40°C to + 80°C	
Type of connector	2 Omnicomnect plugs 20 poles		2 Omnicomnect plugs 20 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

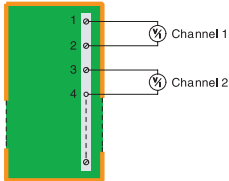
interfast



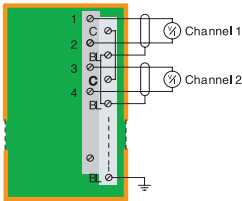
PLC connector interface
with spring connection
Male Sub D product range

Applications

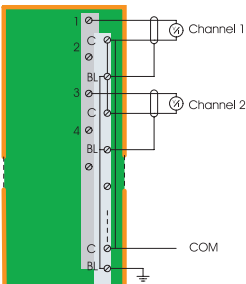
I/O ANA insulated without shielding connection



I/O ANA insulated with shielding connection

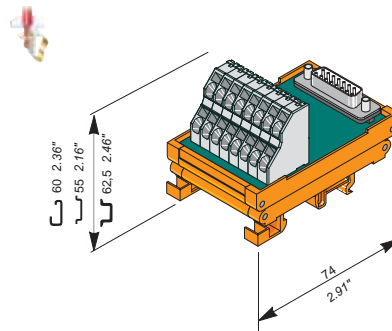


I/O ANA with positive side distribution and shielding connection

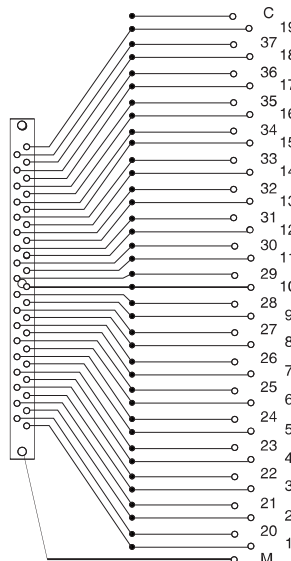


Single-wire interface

Drawing: Male Sub D 15 interface

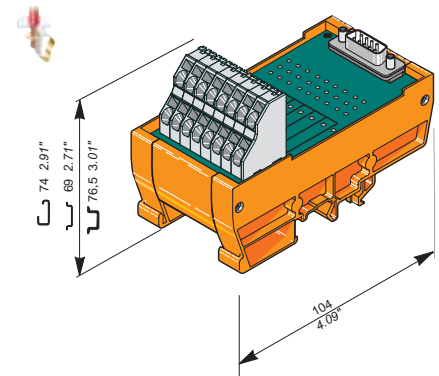


Schematic: Male Sub D 37 interface

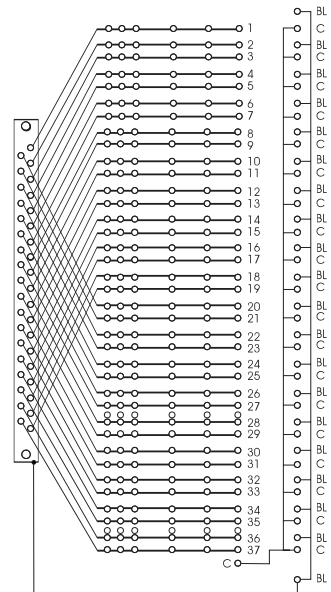


Two-wire interface with a common and common shield

Drawing: Male Sub D 9 interface



Schematic: Male Sub D 37 interface



C = Common
BL = Shielding

Part numbers	Type	Part number	mm	L inch	Type	Part number	mm	L inch
9 points	BFSUBD9M-1R	0032 051.11	33	1.30	BFSUBD9M-1R-ANA	0032 156.17	55	2.17
15 points	BFSUBD15M-1R	0032 052.12	48,3	1.90	BFSUBD15M-1R-ANA	0032 157.10	90	3.55
25 points	BFSUBD25M-1R	0032 053.13	73,7	2.90	BFSUBD25M-1R-ANA	0032 158.21	138	5.44
37 points	BFSUBD37M-1R	0032 054.14	101,6	4.00	BFSUBD37M-1R-ANA	0032 159.22	197	7.76

Characteristics

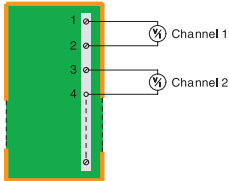
	Without LED	Without LED
Maximum voltage	60 V AC/DC	60 V AC/DC
Maximum current per point	1 A	1 A
Maximum current in common wires		5 A
Current per LED		
Fuses on the power supply		
Fuses per point		
Test voltage	1 kV	0,5 kV
Operating temperature	- 20°C to + 70°C	- 20°C to + 70°C
Storage temperature	- 40°C to + 80°C	- 40°C to + 80°C
Type of connector	1 female SUBD	1 female SUBD
Wire capacity	0-2,5 mm ²	0-2,5 mm ²

interfast

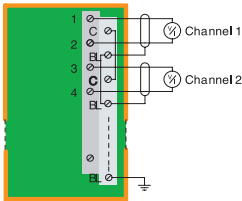
PLC connector interface
with spring connection
Male Sub D product range

Applications

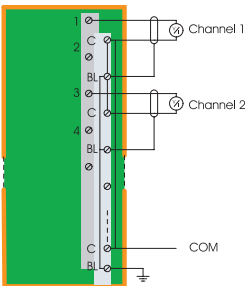
I/O ANA insulated without shielding connection



I/O ANA insulated with shielding connection

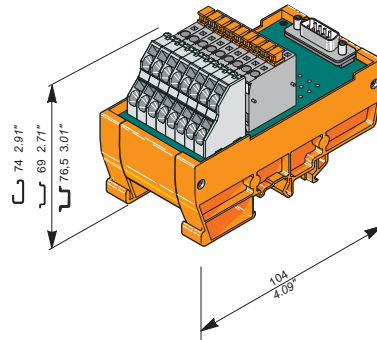


I/O ANA with positive side distribution and shielding connection

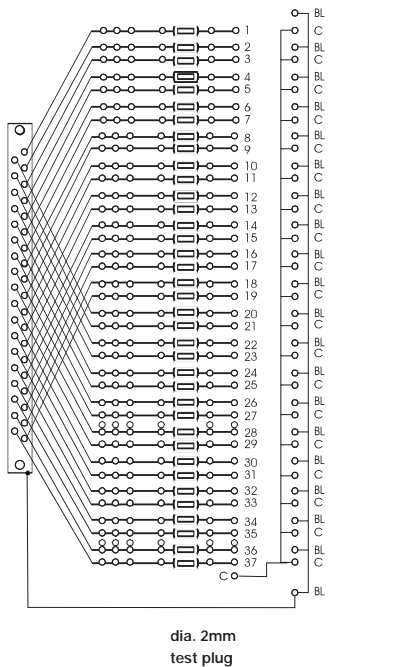


Interruptible interface with a common and common shield

Drawing: Male Sub D 9 interface



Schematic: Male Sub D 37 interface



2 mm dia. test points on each side of isolator

C = Common

BL = Shielding

Part numbers	Type	Part number	mm	inch	Type	Part number	mm	inch
9 points		0032 160.27						
15 points		0032 161.14						
25 points		0032 162.15						
37 points		0032 163.16						
Characteristics								
Maximum voltage		Without LED				Without LED		
Maximum current per point		60 V AC/DC						
Maximum current in common wires		1 A						
Current per LED		5 A						
Fuses on the power supply								
Fuses per point								
Test voltage		0,5 kV						
Operating temperature		- 20°C to + 70°C						
Storage temperature		- 40°C to + 80°C						
Type of connector		1 female SUBD						
Wire capacity		0-2,5 mm2						

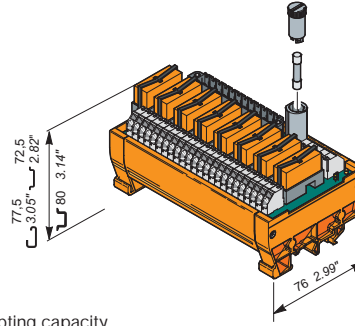
interfast



PLC decoupling interface
8-relay interface with spring connection
Omniconnect product range

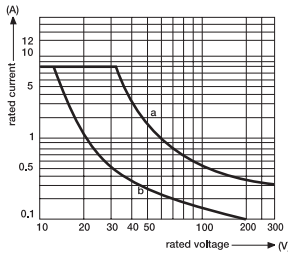
8 N/P relays 1 RT relay output interface

Width : 127 mm 5.00"



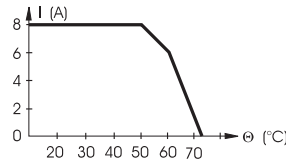
Pluggable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

a : resistance
 b : inductive load, L/R = 20 ms

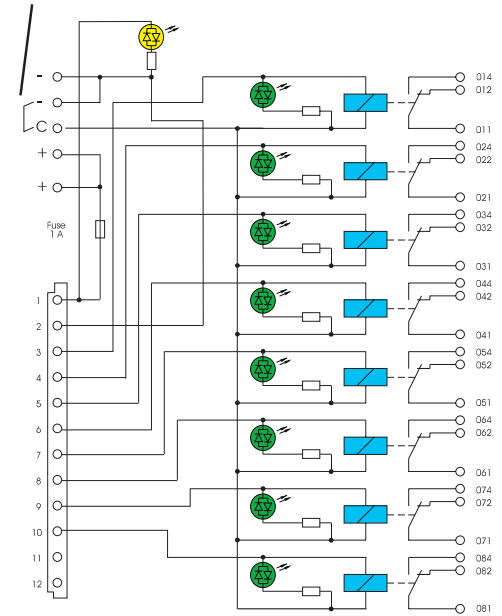


De-rating curve

Wiring diagram

Interface with negative or positive common connection.

Jumper allowing either a common + or a common -
 Delivered connected with a common -



Interface compatible with automate output cards with positive or negative common connection.

Part numbers

The units are delivered equipped with relays.
 The relays are also available separately.

Type	P/N
RI OM 821 N/P-1R- 24 VDC	0032 008.27
Schrack® relay 24 V	0179 208.24

Characteristics

COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		15 mA
Trip voltage		2,4 VDC
CONTACT		
Type		1 RT
Voltage mini. / max.		5 V / 250 VAC
Switching current mini. / max.		1 mA / 8 A
Breaking capacity	AC1 mini. / max.	5 mVA / 2000 VA
	DC1 mini. / max.	5 mW / see graphs
Max. load		see graph
Number of operations	on load	10 ⁵
Number of operations	off load	30 x 10 ⁶
Operating speed	C/O	7 ms / 8 ms
Bounce		1 ms
Isolation Coil / Contact		5 kV
Resistance to shock waves	Coil / Contact	10 kV
Isolation Contact / Contact		2 kV
E.M.C.		Level 4
TEMPERATURE		
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 74°C
Wire capacity		0 - 2,5 mm ²

Accessories

	Type	P/N
Rail EN 50035	PR1.Z2	32 x 15
Rail EN 50022	PR3.Z2	35 x 7,5 x 1
Rail EN 50022	PR4	35 x 15 x 2,3
Rail	PR5	35 x 15 x 1,5
End stop	BAM	th. 9,1 mm

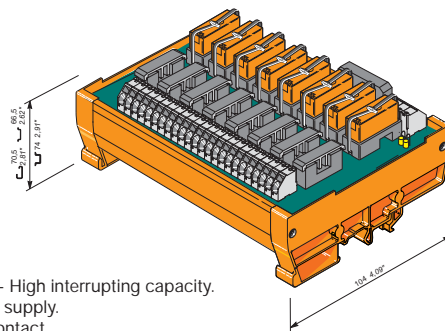
interfast



PLC decoupling interface
8-relay interface with spring connection
Omniconnect product range

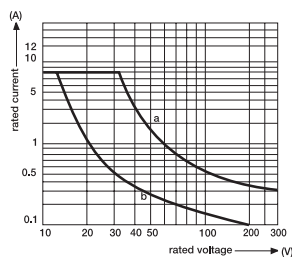
8 N relays 1 RT relay output interface with fused on common contact

Width: 127 mm 5.00"



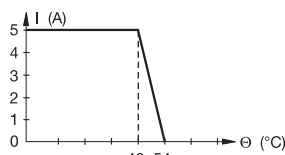
Pluggable relay.
Delivered with 5 x 20 mm fuse - High interrupting capacity.
1 A - 250 V fuse on PLC power supply.
5 A - 250 V fuse on common contact.

Wiring diagram



* Load limit for DC

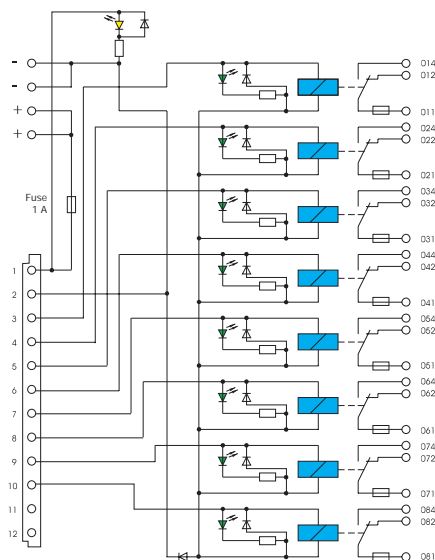
a : resistance
b : charge inductive, L/R = 20 ms



De-rating curve

Wiring diagram

Interface with negative common connection.



Interface compatible with automate output cards with positive common connection.

Part numbers

The units are delivered equipped with relays.
The relays are also available separately.

Type	P/N
RI OM 821-1R-F-24	0032 035.01
Schrack® relay 24 V	0179 208.24

Characteristics

COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		15 mA
Trip voltage		2.4 VDC
CONTACT		
Type		1 RT
Voltage mini. / max.		5 V / 250 VAC
Switching current mini. / max.		1 mA / 5 A
Breaking capacity	AC1 mini. / max.	5 mVA / 1250 VA
	DC1 mini. / max.	5 mW / see graphs
Max. load		see graph
Number of operations	on load	10 ⁵
	off load	30 x 10 ⁶
Operating speed	C/O	7 ms / 8 ms
Bounce		1 ms
Isolation Coil / Contact		5 kV
Resistance to shock waves	Coil / Contact	10 kV
Isolation Contact / Contact		2 kV
E.M.C.		Level 4
TEMPERATURE		
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 59°C
Wire capacity		0 - 2,5 mm ²

Accessories

	Type		P/N	
Rail EN 50035	2 m	PR1.Z2	32 x 15	0163 050.04
Rail EN 50022	2 m	PR3.Z2	35 x 7,5 x 1	0174 300.17
Rail EN 50022	2 m	PR4	35 x 15 x 2,3	0168 500.12
Rail		PR5	35 x 15 x 1,5	0168 700.22
End stop(all rails)		BAM	th. 9,1 mm	0103 002.26

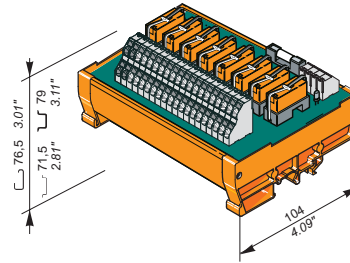
interfast



PLC decoupling interface
8-relay interface with spring connection
Omniconnect product range

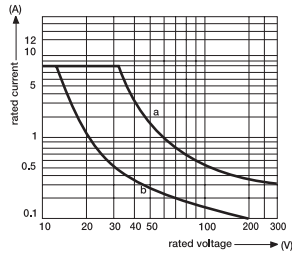
8 N relays 2 RT relay output interface

Width: 152 mm 5.98"

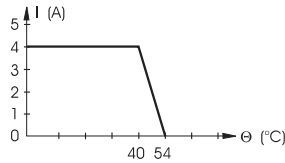


Pluggable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 Rating 1 A - 250 V.

Wiring diagram



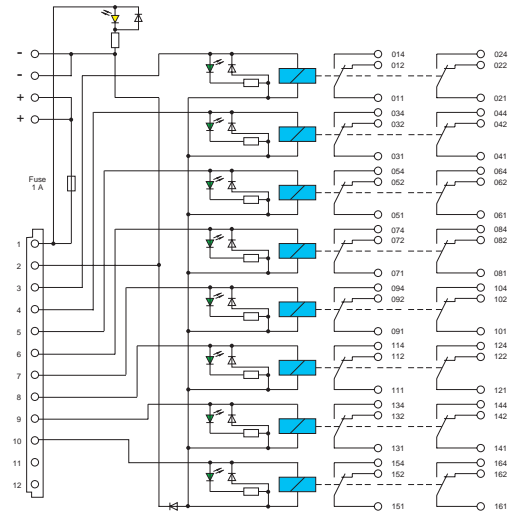
* Load limit for DC
 a : resistance
 b : inductive load, L/R = 20 ms



De-rating curve

Wiring diagram

Interface with negative common connection.



Interface compatible with automate output cards with positive common connection.

C
4

Part numbers

The units are delivered equipped with relays.
 The relays are also available separately.

Type	P/N
RI OM 822-1R-24	0032 036.02
Schrack® relay 24 V	0210 021.26

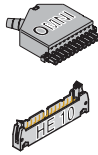
Characteristics

COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		21 mA
Trip voltage		2,4 VDC
CONTACT		
Type		2 RT
Voltage mini. / max.		12 V / 250 VAC
Switching current mini. / max.		100 mA / 4 A
Breaking capacity	AC1 mini. / max.	1,2 VA / 1000 VA
	DC1 mini. / max.	1,2 W / see graphs
Max. load		see graph
Number of operations	on load	2 x 10 ⁵
Number of operations	off load	30 x 10 ⁶
Operating speed	C/O	9 ms / 12 ms
Bounce		2 ms
Isolation Coil / Contact		3,5 kV
Resistance to shock waves	Coil / Contact	10 kV
Isolation Contact / Contact		2 kV
E.M.C.		Level 4
TEMPERATURE		
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 54°C
Wire capacity		0 - 2,5 mm ²

Accessories

	Type		P/N	
Rail EN 50035	2 m	PR1.Z2	32 x 15	0163 050.04
Rail EN 50022	2 m	PR3.Z2	35 x 7,5 x 1	0174 300.17
Rail EN 50022	2 m	PR4	35 x 15 x 2,3	0168 500.12
Rail		PR5	35 x 15 x 1,5	0168 700.22
End stop(all rails)		BAM	th. 9,1 mm	0103 002.26

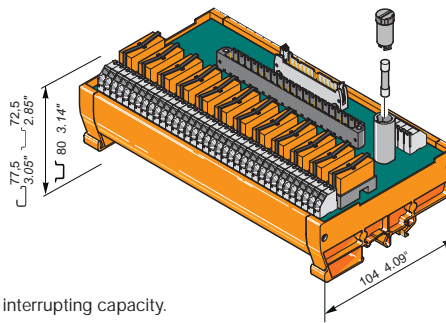
interfast



PLC decoupling interface
12-relay interface with spring connection
Omniconnect and HE 10/26 product range

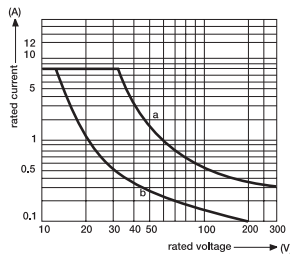
12 N/P relays 1 RT relay output interface

width: 192 mm 7.56"



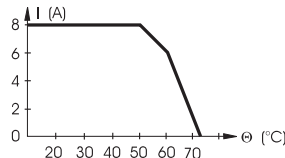
Pluggable relay.
Delivered with 5 x 20 mm fuse - High interrupting capacity.
Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

a : resistance
b : inductive load, L/R = 20 ms



De-rating curve

Part numbers	Type	P/N
The units are delivered equipped with relays. The relays are also available separately.	RI1221N/P-1R-24 VDC	0032 007.16
	Schrack® relay 24 V	0179 208.24

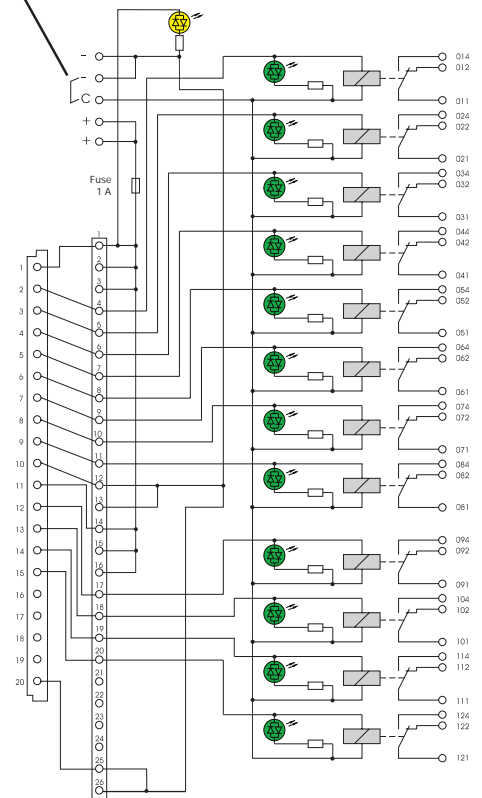
Characteristics		
COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		15 mA
Trip voltage		2.4 VDC
CONTACT		
Type		1 RT
Voltage mini. / max.		5 V / 250 VAC
Switching current mini. / max.		1 mA / 8 A
Breaking capacity	AC1 mini. / max.	5 mVA / 2000 VA
	DC1 mini. / max.	5 mW / see graphs
Max. load		see graph
Number of operations	on load	10 ⁵
Number of operations	off load	30 x 10 ⁶
Operating speed	C/O	7 ms / 8 ms
Bounce		1 ms
Isolation Coil / Contact		5 kV
Resistance to shock waves	Coil / Contact	10 kV
Isolation Contact / Contact		2 kV
E.M.C.		Level 4
TEMPERATURE		
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 74°C
Wire capacity		0 - 2.5 mm ²

Accessories	Type		P/N	
Rail EN 50035	2 m	PR1.Z2	32 x 15	0163 050.04
Rail EN 50022	2 m	PR3.Z2	35 x 7.5 x 1	0174 300.17
Rail EN 50022	2 m	PR4	35 x 15 x 2,3	0168 500.12
Rail		PR5	35 x 15 x 1,5	0168 700.22
End stop(all rails)		BAM	th. 9,1 mm	0103 002.26

Wiring diagram

Interface with negative or positive common connection.

Jumper allowing either a common + or a common -
Delivered connected with common -



Interface compatible with automate output cards with positive or negative common connection.

interfast

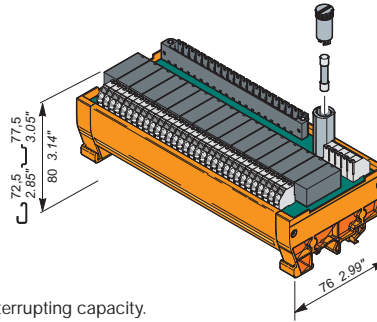


PLC decoupling interface
16-relay interface with spring connection
Omniconnect product range

Width 170 mm 6.69"

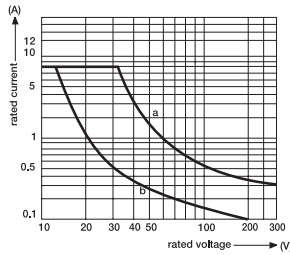


16 N/P relays 1 T relay output interface

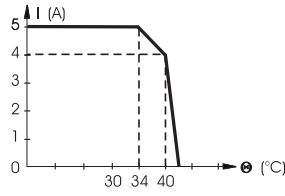


Non removable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 Rating 1 A - 250 V.

Wiring diagram



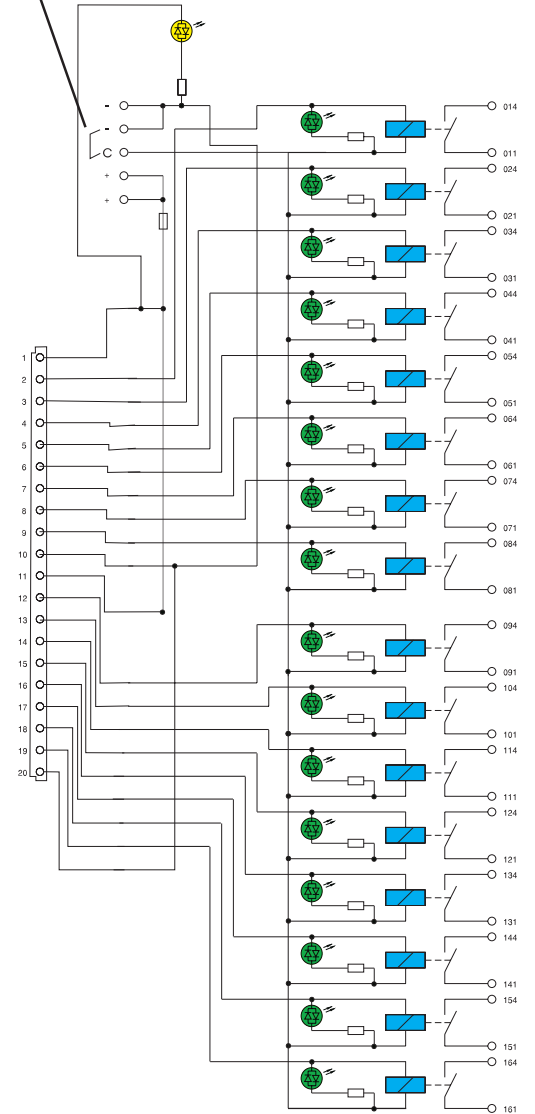
* Load limit for DC
 a : resistance
 b : inductive load, L/R = 20 ms



De-rating curve

Wiring diagram

Interface with negative or positive common connection.
 Jumper allowing either a common + or a common -
 Delivered connected with common -



Interface compatible with automate output cards with positive or negative common connection.

Part numbers

The units are delivered equipped with non removable relays.

Type	P/N
RI OM 1611-1R-N/P- 24 VDC	0032 025.07

Characteristics

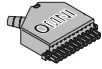
COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		15 mA
Trip voltage		2,4 VDC
Power		0,36 W
CONTACT		
Type		1 T
Voltage mini. / max.		5 V / 250 VAC
Switching current mini. / max.		1 mA / 5 A
Breaking capacity	AC1 mini. / max.	5 m VA / 1250 VA
	DC1 mini. / max.	5 m W / see graphs
Max. load		see graph
Number of operations	on load	10 ⁵
	off load	5 x 10 ⁶
Operating speed	C/O	7 ms / 8 ms
Bounce		1 ms
Isolation Coil / Contact		2,5 kV
Resistance to shock waves	Coil / Contact	
Isolation Contact / Contact		1,5 kV
TEMPERATURE		
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 42°C

Wire capacity 0 - 2,5 mm²

Accessories

	Type		P/N	
Rail EN 50035	2 m	PR1.Z2	32 x 15	0163 050.04
Rail EN 50022	2 m	PR3.Z2	35 x 7,5 x 1	0174 300.17
Rail EN 50022	2 m	PR4	35 x 15 x 2,3	0168 500.12
Rail		PR5	35 x 15 x 1,5	0168 700.22
End stop(all rails)		BAM	th. 9,1 mm	0103 002.26

interfast

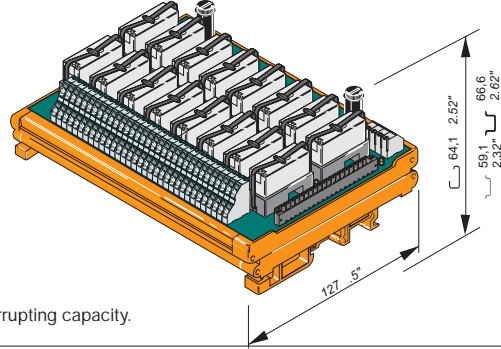


PLC decoupling interface
16-relay interface with spring connection
Omniconnect product range

Width : 165 mm 6.49"

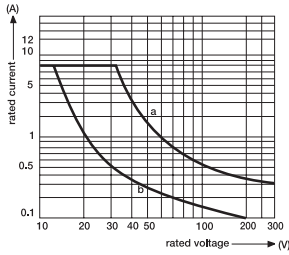


16 N/P relays Compact 1 RT relay output interface



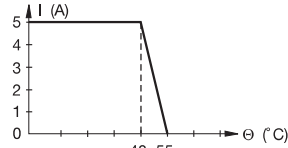
Pluggable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

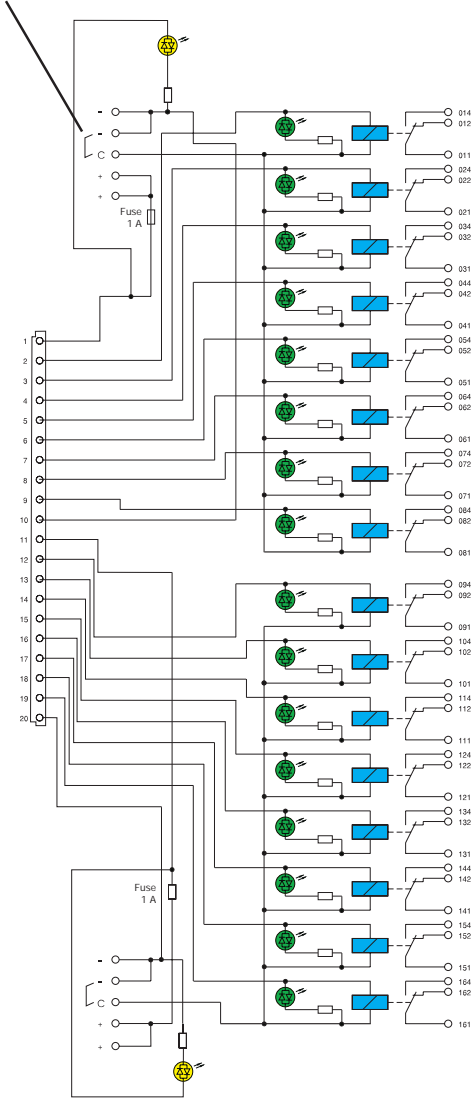
a : resistance
 b : inductive load, L/R = 20 ms



De-rating curve

Wiring diagram

Interface with negative or positive common connection.
 Jumper allowing either a common + or a common -
 Delivered connected with common -



Interface compatible with automate output cards with positive or negative common connection.

Part numbers

The units are delivered equipped with relays.
 The relays are also available separately.

Type	P/N
RICOM 1621 N/P-1R-24	0032 014.04
Schrack® relay 24V	0179 208.24

Characteristics

COIL	
Rated voltage	+ 20%, - 15% 24 VDC
Rated current	15 mA
Trip voltage	2,4 VDC
CONTACT	
Type	1 RT
Voltage mini. / max.	5 V / 250 VAC
Switching current mini. / max.	1 mA / 5 A
Breaking capacity	AC1 mini. / max. 5 m VA / 1250 VA
	DC1 mini. / max. 5 m W / see graphs
Max. load	see graph
Number of operations	on load 10 ⁵
	off load 30 x 10 ⁶
Operating speed	C 7 ms
	O 8 ms
Bounce	1 ms
Isolation Coil / Contact	2,5 kV
Resistance to shock waves	Coil / Contact 1,5 kV
Isolation Contact / Contact	1,5 kV
TEMPERATURE	
Ambient temperature	Storage - 40°C to + 80°C
	Operating - 20°C to + 55°C

Wire capacity

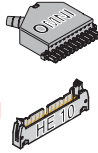
0 - 2,5 mm²

Accessories

	Type		P/N
Rail EN 50035	2 m	PR1.Z2	32 x 15 0163 050.04
Rail EN 50022	2 m	PR3.Z2	35 x 7,5 x 1 0174 300.17
Rail EN 50022	2 m	PR4	35 x 15 x 2.3 0168 500.12
Rail		PR5	35 x 15 x 1.5 0168 700.22
End stop(all rails)		BAM	th. 9,1 mm 0103 002.26

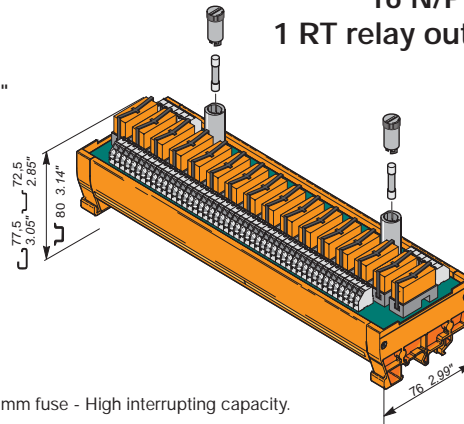
interfast

PLC decoupling interface
16-relay interface with spring connection
Omniconnect product range
HE 10/26 product range



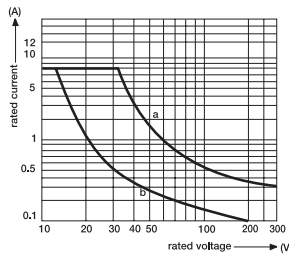
16 N/P relays 1 RT relay output interface

Width: 252 mm 9.92"



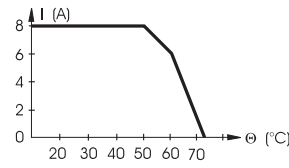
Pluggable relay.
Delivered with 5 x 20 mm fuse - High interrupting capacity.
Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

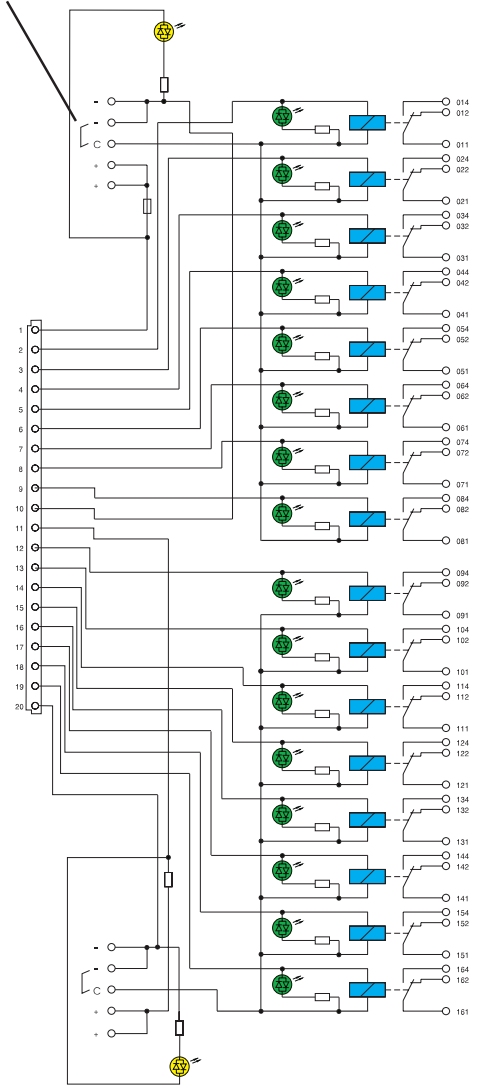
a : resistance
b : inductive load, L/R = 20 ms



De-rating curve

Wiring diagram

Interface with negative or positive common connection.
Jumper allowing either a common + or a common -
Delivered connected with common -



Interface compatible with automate output cards with positive or negative common connection.

C
4

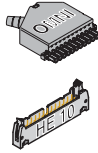
Part numbers	Type	P/N
The units are delivered equipped with relays. The relays are also available separately.	RIOM1621N/P-1R-24 VDC	0032 006.15
	Schrack® relay 24V	0179 208.24

Characteristics		
COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		15 mA
Trip voltage		2,4 VDC
CONTACT		
Type		1 RT
Voltage mini. / max.		5 V / 250 VAC
Switching current mini. / max.		1 mA / 8 A
Breaking capacity	AC1 mini. / max. DC1 mini. / max.	5 m VA / 2000 VA 5 m W / see graphs
Max. load		see graph
Number of operations	on load	10 ⁵
Number of operations	off load	30 x 10 ⁶
Operating speed	C	7 ms
	O	8 ms
Bounce		1 ms
Isolation Coil / Contact		5 kV
Resistance to shock waves	Coil / Contact	
Isolation Contact / Contact		2,5 kV
TEMPERATURE		
Ambient temperature	storage	- 40°C to + 80°C
	operating	- 20°C to + 74°C
Wire capacity		0 - 2,5 mm ²

Accessories	Type	P/N
Rail EN 50035	2 m PR1.Z2	32 x 15 0163 050.04
Rail EN 50022	2 m PR3.Z2	35 x 7,5 x 1 0174 300.17
Rail EN 50022	2 m PR4	35 x 15 x 2,3 0168 500.12
Rail	PR5	35 x 15 x 1,5 0168 700.22
End stop(all rails)	BAM	th. 9,1 mm 0103 002.26

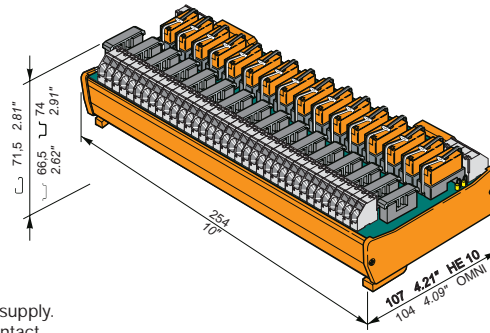
interfast

PLC decoupling
interface
16-relay
interface with spring
connection Omnicon-
nect product range
HE 10/26 product range



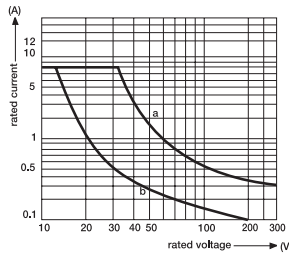
16 N/P relays 1 RT relay output interface with fused on common contact

Width: 254 mm 10.0"



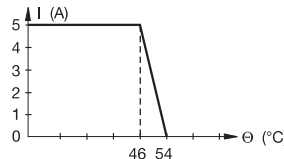
Pluggable relay.
Delivered with 5 x 20 mm fuse.
1 A - 250 V fuse on PLC power supply.
5 A - 250 V fuse on common contact.

Wiring diagram



* Load limit for DC

a : resistance
b : inductive load, L/R = 20 ms



De-rating curve

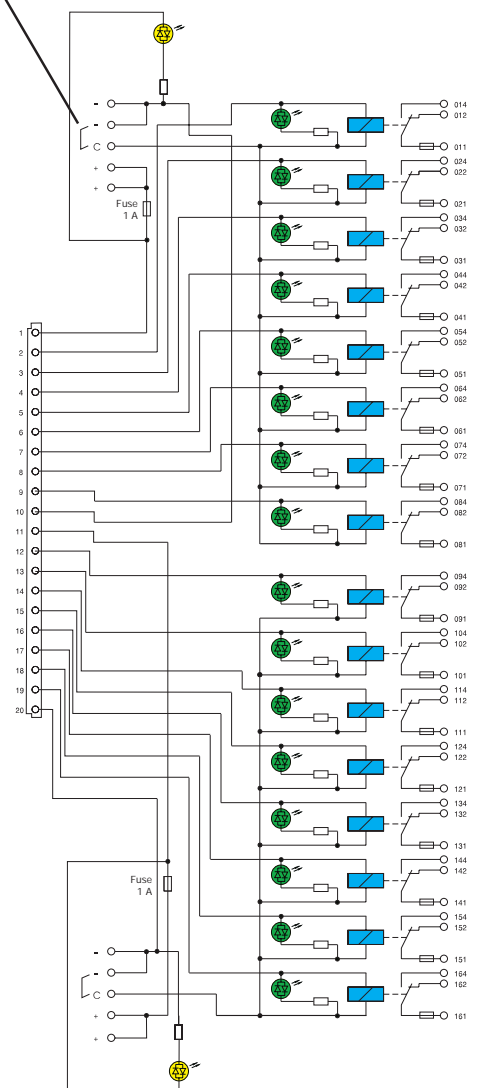
Part numbers	Type	P/N
RI OM 1621 N/P-1R-F-24	Schrack® relay 24 V	0032 028.12
		0179 208.24

Characteristics		
COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		15 mA
Trip voltage		2.4 VDC
CONTACT		
Type		1 RT
Voltage mini. / max.		5 V / 250 VAC
Switching current mini. / max.		1 mA / 5 A
Breaking capacity	AC1 mini. / max.	5 m VA / 1250 VA
	DC1 mini. / max.	5 m W / see graphs
Max. load		see graph
Number of operations	on load	10 ⁵
Number of operations	off load	30 x 10 ⁶
Operating speed	C/O	7 ms / 8 ms
Bounce		1 ms
Isolation Coil / Contact		5 kV
Resistance to shock waves	Coil / Contact	
Isolation Contact / Contact		2.5 kV
E.M.C.		Level 4
TEMPERATURE		
Ambient temperature	Storage	- 40°C to+ 80°C
	Operating	- 20°C to+ 59°C
Wire capacity		0 - 2,5 mm ²

Accessories	Type		P/N	
Rail EN 50035	2 m	PR1.Z2	32 x 15	0163 050.04
Rail EN 50022	2 m	PR3.Z2	35 x 7,5 x 1	0174 300.17
Rail EN 50022	2 m	PR4	35 x 15 x 2,3	0168 500.12
Rail		PR5	35 x 15 x 1,5	0168 700.22
End stop(all rails)		BAM	th. 9,1 mm	0103 002.26

Wiring diagram

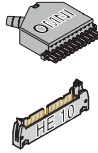
Interface with negative or positive common connection.
Jumper allowing either a common + or a common -
Delivered connected with common -



Interface compatible with automate output cards with positive or negative common connection.

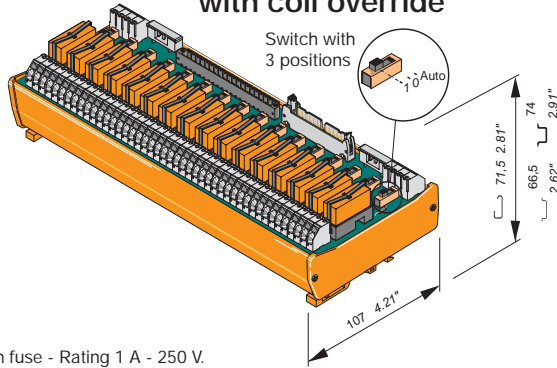
interfast

PLC decoupling interface
16-relay interface with spring connection
Omniconnect and HE 10/26 product range



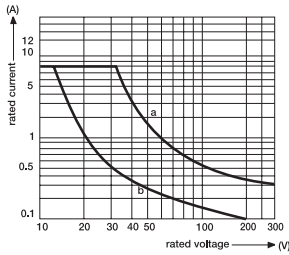
Width: 252 mm 9.92"

16 N/P relays 1 RT relay output interface with coil override



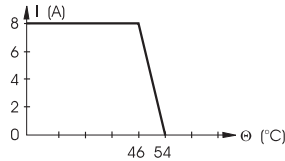
Pluggable relay.
Delivered with 5 x 20 mm fuse - Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

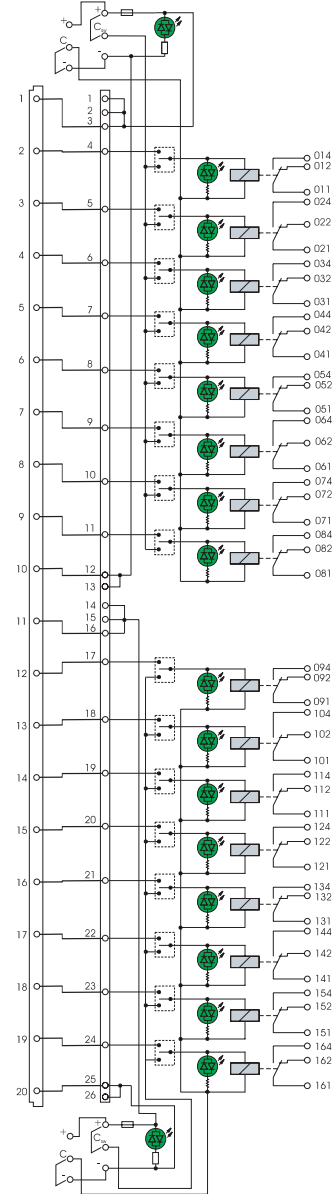
a : resistance
b : inductive load, L/R = 20 ms



De-rating curve

Wiring diagram

Interface with negative or positive common connection.



Interface compatible with automate output cards with positive or negative common connection.

Part numbers

Part numbers	Type	P/N
The units are delivered equipped with relays. The relays are also available separately.	RI 1621 N/P-1R-SW-24	0032 034.00
	Schrack® relay 24 V	0179 208.24

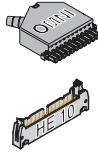
Characteristics

COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		15 mA
Trip voltage		2,4 VDC
CONTACT		
Type		1 RT
Voltage mini./max.		5 V / 250 VAC
Switching current mini. / max.		1 mA / 8 A
Breaking capacity	AC1 mini. / max.	5 m VA / 2000 VA
	DC1 mini. / max.	5 m W / see graphs
Max. load		see graph
Number of operations	on load	10 ⁵
	off load	30 x 10 ⁶
Operating speed	C	7 ms
	O	8 ms
Bounce		1 ms
Isolation Coil / Contact		5 kV
Resistance to shock waves	Coil / Contact	
Isolation Contact / Contact		2,5 kV
TEMPERATURE		
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 54°C
Wire capacity		0 - 2,5 mm ²

Accessories

Accessories	Type	P/N
Rail EN 50035	2 m PR1.Z2	0163 050.04
Rail EN 50022	2 m PR3.Z2	0174 300.17
Rail EN 50022	2 m PR4	0168 500.12
Rail	PR5	0168 700.22
End stop(all rails)	BAM	0103 002.26

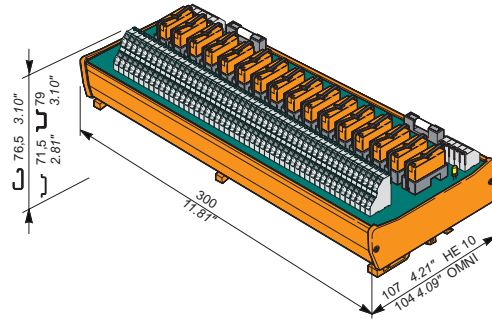
interfast



PLC decoupling interface
16-relay interface with spring connection
Omniconnect and HE 10/26 product range

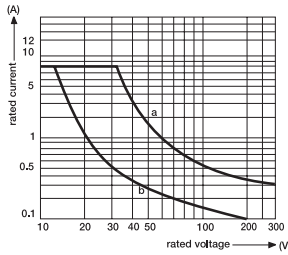
16 N/P relays 2 RT N/P 16-relay output interface

Width: 300 mm 11.81"



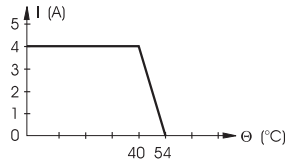
Pluggable relay.
Delivered with 5 x 20 mm fuse - High interrupting capacity.
Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

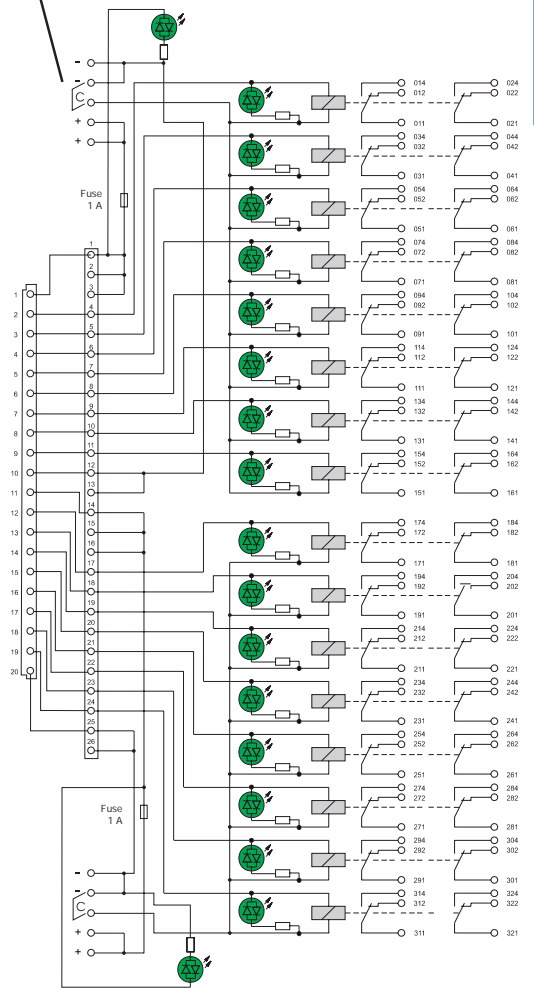
a : resistance
b : inductive load, L/R = 20 ms



De-rating curve

Wiring diagram

Interface with negative or positive common connection.
Jumper allowing either a common + or a common -
Delivered connected with a common -



Interface compatible with automate output cards with positive or negative common connection.

Part numbers

The units are delivered equipped with relays. The relays are also available separately.

Type

RI 1622 N/P-1R-24

Schrack® relay 24 V

P/N

0032 029.13

0210 021.26

Characteristics

COIL			
Rated voltage	+ 20%, - 15%	24 VDC	
Rated current		21 mA	
Trip voltage		2,4 VDC	
CONTACT			
Type		2 RT	
Voltage mini./max.		12 V / 250 VAC	
Switching current mini. / max.		100 mA / 4 A	
Breaking capacity	AC1 mini. / max.	1,2 VA / 1000 VA	
	DC1 mini. / max.	1,2 W / see graphs	
Max. load		see graph	
Number of operations	on load	2 x 10 ⁵	
Number of operations	off load	30 x 10 ⁶	
Operating speed	C/O	9 ms / 12 ms	
Bounce		2 ms	
Isolation Coil / Contact		3,5 kV	
Resistance to shock waves	Coil / Contact	10 kV	
Isolation Contact / Contact		2 kV	
E.M.C.		Level 4	
TEMPERATURE			
Ambient temperature	Storage	- 40°C to + 80°C	
	Operating	- 20°C to + 54°C	
Wire capacity		0 - 2,5 mm ²	

Accessories

	Type		P/N	
Rail EN 50035	2 m	PR1.Z2	32 x 15	0163 050.04
Rail EN 50022	2 m	PR3.Z2	35 x 7,5 x 1	0174 300.17
Rail EN 50022	2 m	PR4	35 x 15 x 2,3	0168 500.12
Rail		PR5	35 x 15 x 1,5	0168 700.22
End stop(all rails)		BAM	th. 9,1 mm	0103 002.26

Notes

C

Interfast Terminal blocks

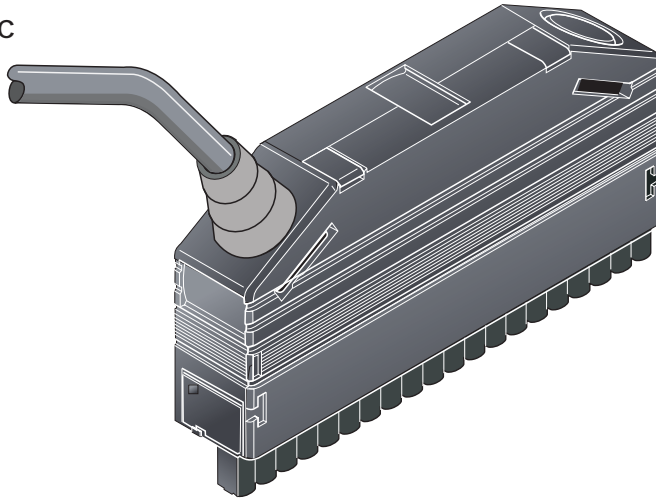


Summary

D1 - Terminal blocks	200
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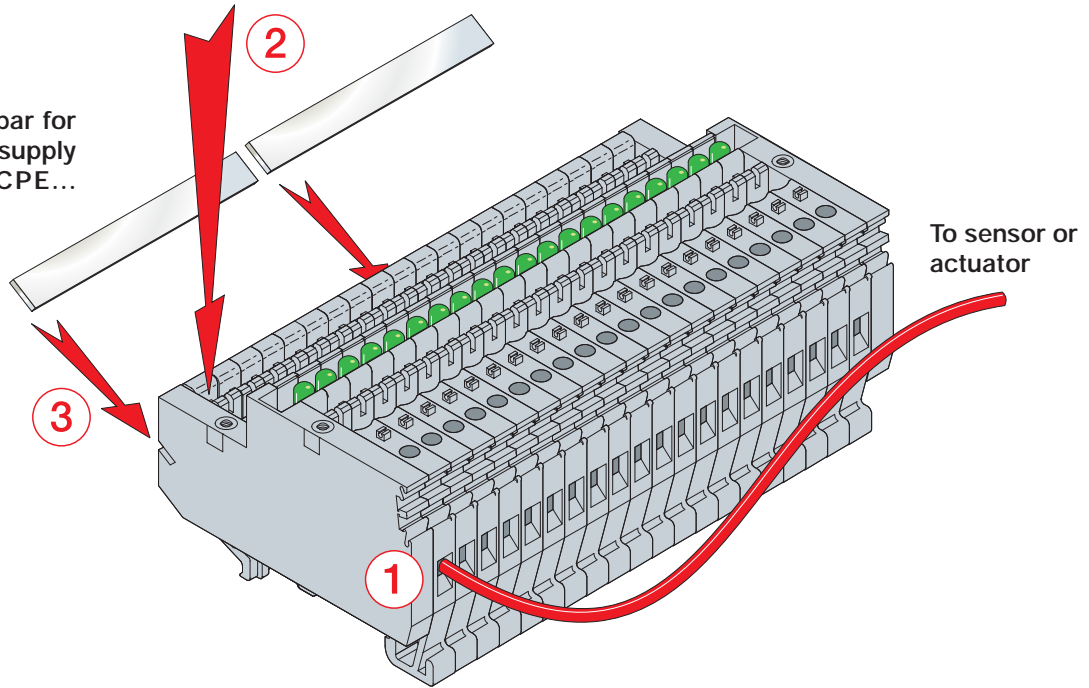
Connection of the assemblies

To PLC



2

Comb-type jumper bar for
Led blocks power supply
using MA 2,5/5-2CPE...
blocks



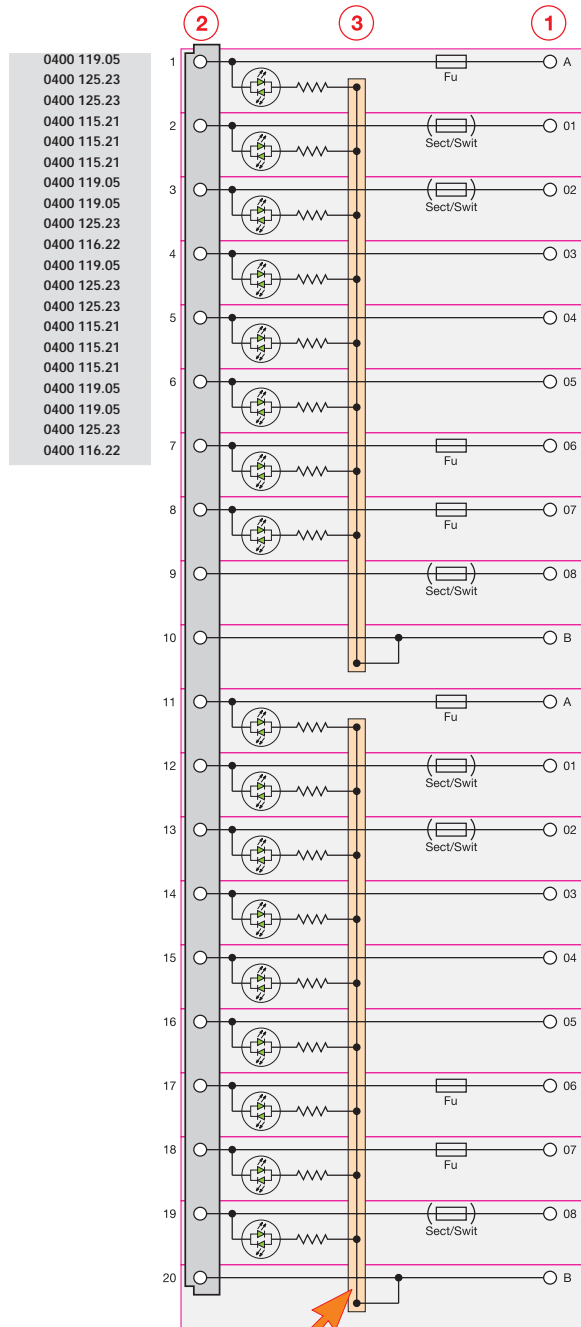
To sensor or
actuator

Standard pre-wired assemblies
Ask for our «Interfast» catalog.

Assemblies made on request,
consult us.

Applications

Omniconnect connector to PLC



Leds commons through
BO Ø5 bus bar

Terminal blocks

with removable connector

- Feed through
- Double deck
- Heavy duty switch with blade
- With plug fuse holder
- compression clamp

DIN 1-3

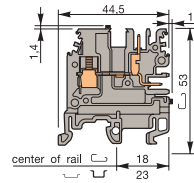
Mounting on rail DIN 1 and 3, possibility to connect 1 or 2 5,08 mm plugs. Bus bar for Led supply.

End stop		th. 9 mm	BADL	V0	0399 903.02
End stop		th. 9,1 mm	BAM	V2	0103 002.26
End stop		th. 9,1 mm	BAM V0	V0	0199 306.03
Rail		35 x 7,5 x 1	PR3.Z2		0174 300.17
Rail		35 x 15 x 2,3	PR4		0168 500.12
Rail		35 x 15 x 1,5	PR5		0168 700.22
Rail		32 x 15 x 1,5	PR1.Z2		0163 050.04

CE

MA 2,5/5.CPE...

Spacing 5.08 mm .200"



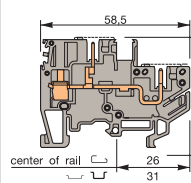
MA 2,5/5.CPE : standard block.

MA 2,5/5-CPE-L24BD : block equipped with 24 V - 4,8 mA green bidirectional LED.

MA 2,5/5-CPE-AB : block equipped with a zero value resistor for bidirectional leds power supply.

MA 2,5/5.2CPE...

Spacing 5.08 mm .200"



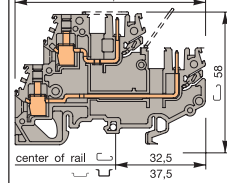
MA 2,5/5.2CPE : standard block.

MA 2,5/5.2CPE-Pb : block equipped only with a low pin for use with switch or fuse holder block.

MA 2,5/5.2CPE-1-L24BD.... : block equipped with 24 V - 4,8 mA green bidirectional LED.

MA 2,5/5D2.2CPE...

Spacing 5.08 mm .200"



MA 2,5/5D2.2CPE : double deck blocks with 2 independent levels.

MA 2,5/5D2-2CPE-1-L24BD : double deck blocks with 24 V - 4,8 mA green bidirectional LED on each level.

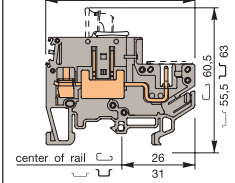
MA 2,5/5D2-2CPE-1-L24BD.... : double deck blocks with 24 V - 4,8 mA green bidirectional LED on top level. The bottom level allow polarity distribution.

MA 2,5/5D2-2CPE-1-AB : block equipped with a zero value resistor for bidirectional leds power supply.

MA 2,5/5D2-2CPE-1-AB/1 : block equipped with a zero value resistor for bidirectional leds power supply on the top level. The bottom level allow polarity distribution.

MA 2,5/5.SNB...-CPE

Spacing 5.08 mm .200"



MA 2,5/5-SNB-CPE : standard block. Heavy duty switch with black blade.

MA 2,5/5-SNB-CPE-L24BD : block equipped with 24 V - 4,8 mA green bidirectional LED. Heavy duty switch with black blade.

MA 2,5/5-SNB-CPE-AB : block equipped with a zero value resistor for bidirectional leds power supply. Heavy duty switch with black blade.

		Type	P/N	Type	P/N	Type	P/N	Type	P/N
Standard blocks	ABB V0 grey body	MA 2,5/5.CPE	0400 107.02	MA 2,5/5.2CPE	0400 127.25	MA 2,5/5D2.2CPE	0400 106.01	MA 2,5/5.SNB-CPE	0400 128.06
LED blocks	ABB V0 grey body	MA 2,5/5.CPE-1-L24BD	0400 113.27	MA 2,5/5.2CPE-1-L24BD	0400 115.21	MA 2,5/5D2.2CPE-1-L24BD	0400 121.27	MA 2,5/5.SNB-CPE-L24BD	0400 125.23
LED blocks	ABB V0 grey body					MA 2,5/5D2.2CPE-1-L24BD	0400 123.21	MA 2,5/5.SNB-CPE-L24BD	0400 126.24
Power supply blocks	ABB V0 grey body	MA 2,5/5.CPE-AB	0400 114.20	MA 2,5/5.2CPE-1-AB	0400 116.22	MA 2,5/5D2.2CPE-1-AB	0400 122.20		
Power supply blocks	ABB V0 grey body					MA 2,5/5D2.2CPE-1-AB/1	0400 124.22		

Characteristics

Wire size	mm ² / AWG	Solid wire	IEC			UL			CSA			IEC			UL			CSA		
			0.2 - 4	24-12AWG	24-12AWG	0.2 - 4	24-12AWG	24-12AWG	0.2 - 4	24-12AWG	24-12AWG	0.2 - 4	24-12AWG	24-12AWG	0.2 - 4	24-12AWG	24-12AWG			
		Stranded wire	0.22 - 2.5	24-12AWG	24-12AWG	0.22 - 2.5	24-12AWG	24-12AWG	0.22 - 2.5	24-12AWG	24-12AWG	0.22 - 2.5	24-12AWG	24-12AWG	0.22 - 2.5	24-12AWG	24-12AWG			
Rated voltage	V	AC ~ / = DC	320 (3)	300	300	320	300	300	320 (3)	300	300	320 (3)	300	300	320	300	300			
Rated current	A		24/12+12	20/10+10	20/10+10	12	10	10	12/12	10/10	10/10	10	10	10	10	10	10			
Rated wire size	mm ² / AWG		2.5 mm ² / 12 AWG	12 AWG	12 AWG	2.5 mm ² / 12 AWG	12 AWG	12 AWG	2.5 mm ² / 12 AWG	12 AWG	12 AWG	2.5 mm ² / 12 AWG	12 AWG	12 AWG	2.5 mm ² / 12 AWG	12 AWG	12 AWG			
Wire stripping length	mm / inches		8.5 mm / .33"			10 mm / .394"			10 mm / .394"			10 mm / .394"								
Recommended torque	Nm / lb.in.		0.4-0.6 Nm / 3.5-5.3 lb.in.			0.4-0.6 Nm / 3.5-5.3 lb.in.			0.4-0.6 Nm / 3.5-5.3 lb.in.			0.4-0.6 Nm / 3.5-5.3 lb.in.								

Accessories

	Type	P/N	Type	P/N	Type	P/N	Type	P/N
1 End section	grey	FEM6 th.2.8 118 368.16	FE2CPE th.2.8 215 038.20	FEDCP th.2.8 215 071.21	FE2CPE th.2.8 215 038.20			
2 Separator end section (block)	grey	FEM6 th.2.8 128 368.10						
3 Separator end section (rail)	grey	SCF6 th.2.8 118 707.03						
4 Test socket	DIA. 2 mm	SCFM6 th.2.8 114 825.05	AL2 ①② th.2.8 163 046.24	AL2 ①② th.2.8 163 046.24	AL2 ①② th.2.8 163 046.24	AL2 ①② th.2.8 163 046.24	AL2 ①② th.2.8 163 046.24	
5 Test device		SCFEX1 th.2.8 103 619.04	DCB blue 105 028.21	DCB blue 105 028.21	DCB blue 105 028.21	DCB blue 105 028.21	DCB blue 105 028.21	
6 Test plug	DIA. 2 mm	SCFEX3 th.2.8 103 620.01	FC2 007 865.26	FC2 007 865.26	FC2 007 865.26	FC2 007 865.26	FC2 007 865.26	
7 Preassembled jumper bar	2 poles		BJM15 ①② 176 278.16	BJM15 ①② 176 278.16	BJM15 ①② 176 278.16	BJM15 ①② 176 278.16	BJM15 ①② 176 278.16	
	3 poles		BJM15 ①② 176 279.17	BJM15 ①② 176 279.17	BJM15 ①② 176 279.17	BJM15 ①② 176 279.17	BJM15 ①② 176 279.17	
	4 poles		BJM15 ①② 176 280.05	BJM15 ①② 176 280.05	BJM15 ①② 176 280.05	BJM15 ①② 176 280.05	BJM15 ①② 176 280.05	
	5 poles		BJM15 ①② 176 281.22	BJM15 ①② 176 281.22	BJM15 ①② 176 281.22	BJM15 ①② 176 281.22	BJM15 ①② 176 281.22	
	10 poles		BJM15 ①② 176 282.23	BJM15 ①② 176 282.23	BJM15 ①② 176 282.23	BJM15 ①② 176 282.23	BJM15 ①② 176 282.23	
8 Jumper bar not preassembled			BJS5,08 ①② 24 poles 177 872.23	BJS5,08 ①② 24 poles 177 872.23	BJS5,08 ①② 24 poles 177 872.23	BJS5,08 ①② 24 poles 177 872.23	BJS5,08 ①② 24 poles 177 872.23	
	Post + screw + washer		EV5 168 629.16	EV5 168 629.16	EV5 168 629.16	EV5 168 629.16	EV5 168 629.16	
9 Connector plate			EL6 173 627.21	EL6 173 627.21	EL6 173 627.21	EL6 173 627.21	EL6 173 627.21	
10 Comb-type jumper bar	2 poles		PC5 113 542.10	PC5 113 542.10	PC5 113 542.10	PC5 113 542.10	PC5 113 542.10	
	10 poles		PC5 113 544.12	PC5 113 544.12	PC5 113 544.12	PC5 113 544.12	PC5 113 544.12	
	Isolating cover		EIP 113 550.24	EIP 113 550.24	EIP 113 550.24	EIP 113 550.24	EIP 113 550.24	
11 Shielding connector			CBM5 178 745.14	CBM5 178 745.14	CBM5 178 745.14	CBM5 178 745.14	CBM5 178 745.14	
			CBM8 178 746.15	CBM8 178 746.15	CBM8 178 746.15	CBM8 178 746.15	CBM8 178 746.15	
12 Blocking peg			COCF32 173 660.16	COCF32 173 660.16	COCF32 173 660.16	COCF32 173 660.16	COCF32 173 660.16	
13 Detachable protection strips			CPF 5,08 10 poles 199 323.23	CPF 5,08 10 poles 199 323.23	CPF 5,08 10 poles 199 323.23	CPF 5,08 10 poles 199 323.23	CPF 5,08 10 poles 199 323.23	
14 End section-flange kit (R+L)			FE-BCP th. 5.06 400 094.20	FE-BCP th. 5.06 400 094.20	FE-BCP th. 5.06 400 094.20	FE-BCP th. 5.06 400 094.20	FE-BCP th. 5.06 400 094.20	
15 Busbar for LED common			BO05 length 500 177 849.04	BO05 length 500 177 849.04	BO05 length 500 177 849.04	BO05 length 500 177 849.04	BO05 length 500 177 849.04	
16 Coding peg Nr 1			COC1 299 777.16	COC1 299 777.16	COC1 299 777.16	COC1 299 777.16	COC1 299 777.16	
17 Plug fuse holder								
18 Fuse								
R See markers section			RC510	RC510	RC510	RC510	RC510	

Other accessories see section accessories

① SC or FE is required with the use of these accessories for isolate each circuit or for a voltage > to 250 V. ② Use of these accessories requires the cut-out of the block body (precut) for blocks MA 2,5/51. (3) Working voltage : according to Led.

MA 2,5/5-SB-CPE

Spacing 5.08 mm .200"

MA 2,5/5-SB-CPE : switch block with polarized plug (delivered separately).

MA 2,5/5-SFA...-CPE

Spacing 5.08 mm .200"

MA 2,5/5-SFA-CPE : switching block with fuse holder for Automotive Mini Fuse.
MA 2,5/5-SFA-CPE-L24BD : switching block with fuse holder for Automotive Mini Fuse, equipped with bidirectional green LED 24 V - 4,8 mA.
MA 2,5/5-SFA-CPE-AB : switching block with fuse holder for Automotive Mini Fuse, equipped with a zero value resistor for bidirectional leds power supply.

Bus bar used to common LED's. Use MA 2,5/5...CPE...AB type blocks to polarise the bus bar.

These blocks are shipped with 10 poles detachable protection strips, designed to protect the male contact pins (not assembled on the blocks).

Note only for MA 2,5/5-CPE... range :
we advise use of "key" accessory with this product. The connectors are mounted in opposite position.

Type	P/N	Type	P/N
MA 2,5/5-SB-CPE	0400 117.23	MA 2,5/5-SFA-CPE	0400 118.04
		MA 2,5/5-SFA-CPE-L24BD	0400 119.05
		MA 2,5/5-SFA-CPE-AB	0400 120.02

IEC	UL pending	CSA pending	IEC	UL pending	CSA pending
0.2 - 4	24-12AWG	24-12AWG	0.2 - 4	24-12AWG	24-12AWG
0.22 - 2.5			0.22 - 2.5		
320	300	300	320 (3)	300	300
10 (4)	10 (4)	10 (4)	3	3	3
2.5 mm ²	12 AWG	12 AWG	2.5 mm ²	12 AWG	12 AWG
10 mm / .394"			10 mm / .394"		
0.4-0.6 Nm / 3.5-5.3 lb.in.			0.4-0.6 Nm / 3.5-5.3 lb.in.		

Type	P/N	Type	P/N
FE2CPE th.2.8	215 038.20	FE2CPE th.2.8	215 038.20
DCB blue	105 028.21	FC2	007 865.26
FC2	007 865.26		
PC5	113 542.10	PC5	113 542.10
PC5	113 544.12	PC5	113 544.12
EIP	113 550.24	EIP	113 550.24
COCF32	173 660.16	COCF32	173 660.16
CPF 5,08 10 poles	199 323.23	CPF 5,08 10 poles	199 323.23
FE-BCP th.5.06	400 094.20	FE-BCP th.5.06	400 094.20
BO05 length 500	177 849.04	BO05 length 500	177 849.04
COC1	299 777.16	COC1	299 777.16
FUBS (6) 0.5A	174 893.16	FUAUTO (7)	179 879.14
FUBS (6) 1A	174 894.17	FUAUTO (7)	179 880.02
FUBS (6) 2A	174 895.10		
FUBS (6) 3A	174 895.10		
FUBS (6) 3A	174 895.10		
FUBS (6) 5A	174 897.12		
RC510		RC510	

MA 2,5/5-CPE-L24BD

Standard block equipped with a 24 V - 4,8 mA green bidirectional LED.

MA 2,5/5-CPE-AB

Standard block equipped with a zero value resistor.

MA 2,5/5-2CPE1-L24BD

Standard block equipped with a 24 V - 4,8 mA green bidirectional LED.

MA 2,5/5-2CPE1-AB

Standard block equipped with a zero value resistor.

MA 2,5/5D2-2CPE1-AB

Double deck block equipped with 24V - 4,8 mA green bidirectional LED on each level.

MA 2,5/5D2-2CPE1-1L24BD

Double deck blocks with 24 V - 4,8 mA green bidirectional LED on top level.

MA 2,5/5D2-2CPE1-AB

Double deck block equipped with a zero value resistor on each level.

MA 2,5/5D2-2CPE1-AB/1

Double deck block equipped with a zero value resistor on top level.

MA 2,5/5-SNB-L24BD

Switch block equipped with 24 V - 4,8 mA green bidirectional LED.

MA 2,5/5-SNB-CPE-AB

Switch block equipped with a zero value resistor.

MA 2,5/5-SFA-CPE-L24BD

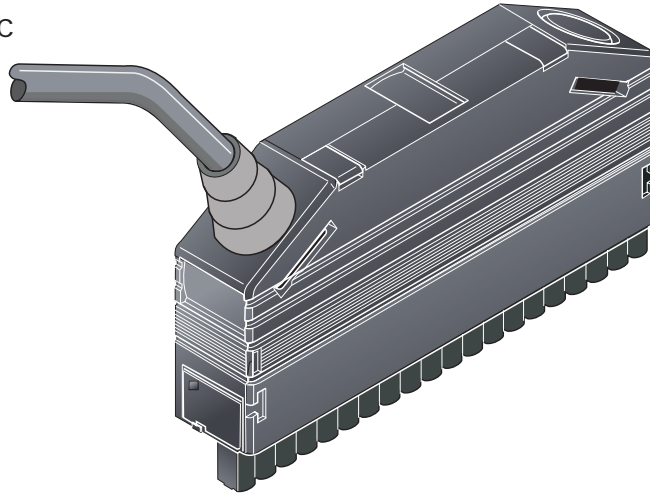
Fuse block equipped with 24 V - 4,8 mA green bidirectional LED.

MA 2,5/5-SFA-CPE-AB

Fuse block equipped with a zero value resistor.

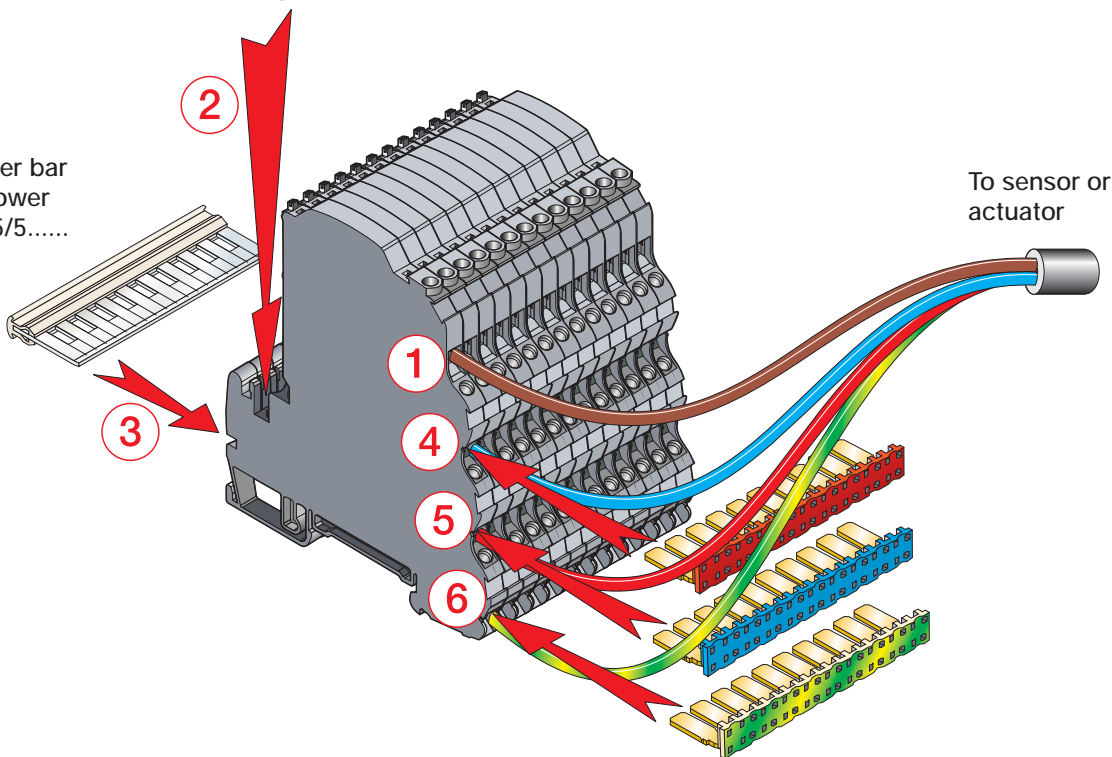
Connection of the assemblies

To PLC



2

Comb-type jumper bar for Led blocks power supply using D2,5/5..... AB blocks



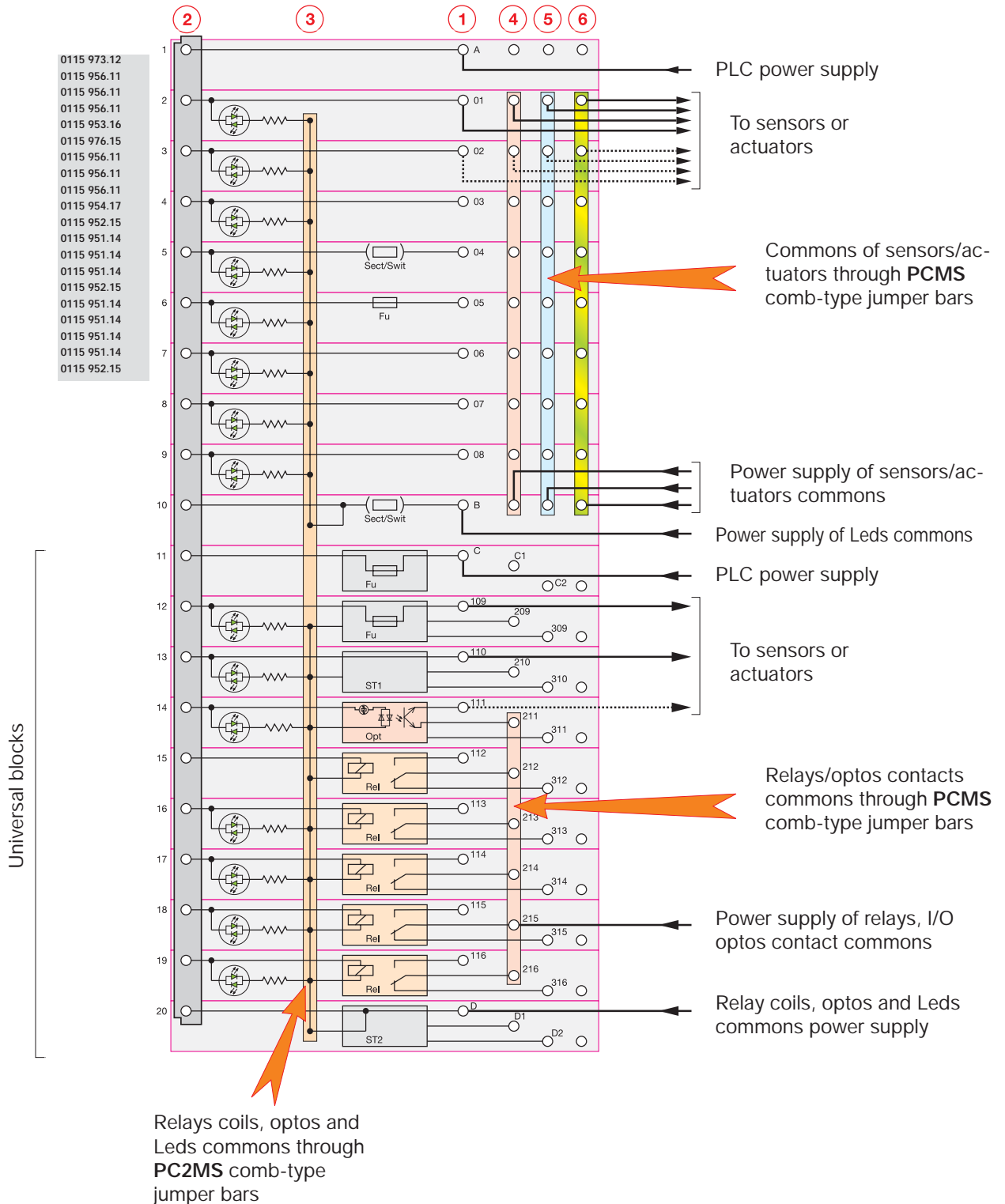
Power supply and protection commons through interconnection bars

Standard pre-wired assemblies
Ask for our «Interfast» catalog.

Assemblies made on request,
consult us.

Applications

Omniconnect
connector
to PLC



Terminal blocks for connector

Compression clamp

DIN 3

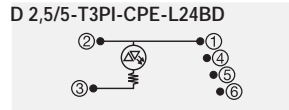
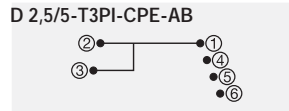
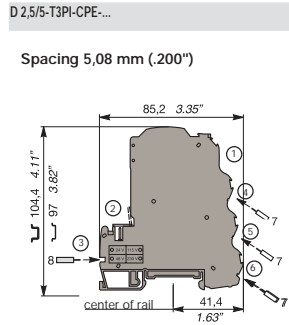


End stop		th. 9 mm	BADL	V0	0399 903.02
End stop		th. 9,1 mm	BAM	V2	0103 002.26
End stop		th. 9,1 mm	BAM V0	V0	0199 306.03
Rail		35 x 7,5 x 1	PR3.Z2		0174 300.17
Rail		35 x 15 x 2,3	PR4		0168 500.12
Rail		35 x 15 x 1,5	PR5		0168 700.22

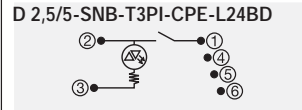
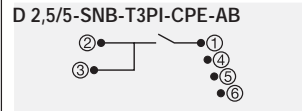
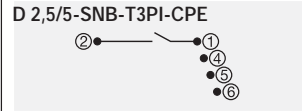
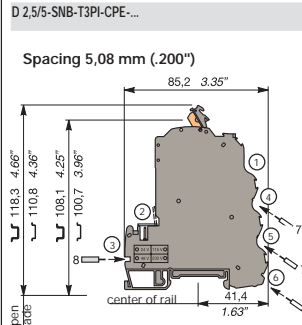
Observations

Max. working temperature
 version without LED : 100°C
 version with LED : 85°C
 Contact resistance : < 5 mΩ

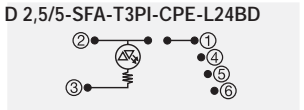
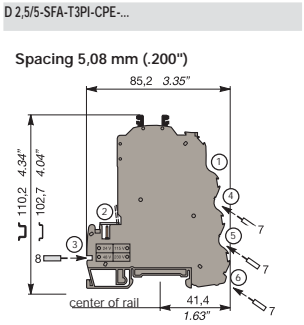
D
1



Equipped with a green 2 direction LED 24 V - 4,7 mA



Equipped with a green 2 direction LED 24 V - 4,7 mA



Equipped with a green 2 direction LED 24 V - 4,7 mA

Type	Part numbers	Type	Part numbers	Type	Part numbers
Grey V0		Grey V0		Grey V0	
D 2,5/5-T3PI-CPE	0115 973.12	D 2,5/5-SNB-T3PI-CPE	0115 972.11	D 2,5/5-SFA-T3PI-CPE	0115 974.13
D 2,5/5-T3PI-CPE-AB	0115 955.10	D 2,5/5-SNB-T3PI-CPE-AB	0115 954.17	D 2,5/5-SFA-T3PI-CPE-AB	0115 975.14
D 2,5/5-T3PI-CPE-L24BD	0115 956.11	D 2,5/5-SNB-T3PI-CPE-L24BD	0115 953.16	D 2,5/5-SFA-T3PI-CPE-L24BD	0115 976.15

Characteristics

Wire size	Compression clamp	Solid wire	IEC	UL/CSA pending	Solid wire	IEC	UL/CSA pending	Solid wire	IEC	UL/CSA pending
			0,2-4 mm²	24-12 AWG		0,2-4 mm²	24-12 AWG		0,2-4 mm²	24-12 AWG
		Stranded wire	0,22-2,5 mm²	24-12 AWG		0,22-2,5 mm²	24-12 AWG		0,22-2,5 mm²	24-12 AWG
Voltage	Rated		320 V	300 V		320 V	300 V		320 V	300 V
	Pulse		4 kV			4 kV			4 kV	
	Pollution degree		3			3			3	
Current	Rated		12 A	10 A		10 A	10 A		10 A	10 A
	Wire size	Rated / Gauge	2,5 mm²	12 AWG		2,5 mm²	12 AWG		2,5 mm²	12 AWG
Wire stripping length			10 mm / .394"				10 mm / .394"		10 mm / .394"	
Recommended screwdriver			3,5 mm / .137"				3,5 mm / .137"		3,5 mm / .137"	
Recommended torque			0,4-0,6 Nm / 3,5-5,3 lb.in				0,4-0,6 Nm / 3,5-5,3 lb.in		0,4-0,6 Nm / 3,5-5,3 lb.in	
Protection			IP 20 / NEMA1 (5)				IP 20 / NEMA1 (5)		IP 20 / NEMA1 (5)	

Accessories

Type	Part numbers	Type	Part numbers	Type	Part numbers
1 Detachable protection strips	CPF 5,08 10 poles 0199 323.23	1 Detachable protection strips	CPF 5,08 10 poles 0199 323.23	1 Detachable protection strips	CPF 5,08 10 poles 0199 323.23
2 12 or 20 poles cover	CPMS 20 (4) 0205 227.01	2 12 or 20 poles cover	CPMS 20 (4) 0205 227.01	2 12 or 20 poles cover	CPMS 20 (4) 0205 227.01
3 34 poles cover	CPMS 34 (4) 0206 163.02	3 34 poles cover	CPMS 34 (4) 0206 163.02	3 34 poles cover	CPMS 34 (4) 0206 163.02
3 Label for CPMS cover		RTMS 12 poles	0205 805.06	RTMS 12 poles	0205 805.06
4 Blocking peg	COCF 32 0173 660.16	20 poles	0205 361.17	20 poles	0205 361.17
5 Coding peg Nr 1	COC1 0299 777.16	34 poles	0206 164.03	34 poles	0206 164.03
6 End section-flange kit (R + L)	FEMS 0400 110.00	COCF 32	0173 660.16	COCF 32	0173 660.16
7 Comb type jumper bar	PCMS V0 2 to 22 poles see next pages	COC1	0299 777.16	COC1	0299 777.16
8 Jumper bar IP20 - 24 A orange	PC2MS 34 poles 0400 169.17	FEMS	0215 368.17	FEMS	0215 368.17
9 Test device	0400 171.01	PCMS V0 2 to 22 poles	see next pages	PCMS V0 2 to 22 poles	see next pages
10 Test plug	DCB (3) blue 0105 028.21	PC2MS 34 poles	0400 169.17	PC2MS 34 poles	0400 169.17
11 ATO fuse-holder plug black	FC2 DIA. 2 0007 865.26	0400 171.01		0400 171.01	
12 ATO fuse-holder plug black		DCB (3) blue	0105 028.21	DCB (3) blue	0105 028.21
13 Mini Fuse - 32 V max.		FC2 DIA. 2	0007 865.26	FC2 DIA. 2	0007 865.26
14 Separator	SCMS 0400 172.02				
R See section on marking	Marking method				

(3) Solely on the top stage.
 (4) Sticks to the end section-flanges 6. (5) IP20 block with detachable protection strips, to order separately.
 (6) Do not use with CPMS cover on.

Terminal blocks for connector Compression clamp

DIN 3



End stop		th. 9 mm	BADL	VO	0399 903.02
End stop		th. 9,1 mm	BAM	V2	0103 002.26
End stop		th. 9,1 mm	BAM VO	VO	0199 306.03
Rail		35 x 7,5 x 1	PR3.Z2		0174 300.17
Rail		35 x 15 x 2,3	PR4		0168 500.12
Rail		35 x 15 x 1,5	PR5		0168 700.22

Observations

Max. working temperature
version without LED : 100°C
version with LED : 85°C
Contact resistance : < 5 mΩ

Characteristics

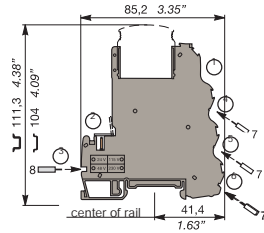
Wire size	Compression clamp	Wire	
		Solid wire	Stranded wire
Voltage	Rated	320 V	300 V
	Pulse	4 kV	
Current	Rated	6 A	6 A
	Wire size	2,5 mm ²	12 AWG
Wire stripping length		10 mm / .394"	
Recommended screwdriver		3,5 mm / .137"	
Recommended torque		0,4-0,6 Nm / 3,5-5,3 lb.in	
Protection		IP 20 / NEMA1 (5)	

Accessories

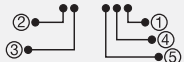
Type	Part numbers
1 Detachable protection strips	CPF 5,08 10 poles 0199 323.23
2 12 or 20 poles cover	CPMS 20 (4) 0205 227.01
3 34 poles cover	CPMS 34 (4) 0206 163.02
3 Label for CPMS cover	RTMS 12 poles 0205 805.06
	20 poles 0205 361.17
	34 poles 0206 164.03
4 Blocking peg	COCF 32 0173 660.16
5 Coding peg Nr 1	COC1 0299 777.16
6 End section-flange kit (R + L)	FEMS 0400 110.00
7 Comb type jumper bar	PCMS V0 2 to 22 poles see next pages
8 Jumper bar	PC2MS 10 poles 0400 110.00
IP20 - 24 A orange	34 poles 0400 171.01
9 Test device	DCB (3) blue 0105 028.21
10 Test plug	FC2 DIA. 2 0007 865.26
11 Plugs	BNMS D 2,5/5-UNI-CPE compatible with model 1 et 2
	D 2,5/5-UNI-CPE-L24BD compatible with model 1
12 Separator	SCMS 0400 172.02
R See section on marking	Marking method

D 2,5/5-UNI-CPE...

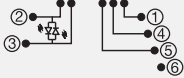
Spacing 5,08 mm (.200")



D 2,5/5-UNI-CPE



D 2,5/5-UNI-CPE-L24BD



Equipped with a green LED 4,7 mA

BNMS

Model 1 plugs

Input optocoupler plugs

(See Characteristics on the next pages)

5 V DC	BNMS T5V-1		0031 831.03
24 V DC	BNMS T24V-1		0031 800.21
48 V DC	BNMS T48V-1		0031 801.16
125 V DC	BNMS T125V-1		0031 845.11
24 V AC	BNMS T24V-1		0031 802.17
48 V AC	BNMS T48V-1		0031 803.10
115 V AC	BNMS T115V-1		0031 804.11
230 V AC	BNMS T230V-1		0031 805.12

Output optocoupler plugs

24 V DC 100 mA	BNMS N24V-3		0031 807.14
24 V DC 100 mA	BNMS P24V-3		0031 810.12
24 V DC 2 A	BNMS N24V-1		0031 813.01
24 V DC 2 A	BNMS P24V-1		0031 815.03
24 V DC 1 A	BNMS N24V-2		0031 817.05
24 V DC 1 A	BNMS P24V-2		0031 819.17
24 V AC 1 A	BNMS A24V-4		0031 839.13

Relay plug

1 RT	BNMS R24V-1		0031 820.14
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Fuse plug

125 V / 125 mA	BNMS F125mA-1		0031 821.01
125 V / 500 mA	BNMS F250mA-1		0031 838.12
125 V / 2 A	BNMS F2A-1		0031 822.02
125 V / 5 A	BNMS F5A-1		0031 823.03
250 V / 125 A	BNMS F125mA-2		0031 824.04
250 V / 2 A	BNMS F2A-2		0031 825.05
250 V / 5 A	BNMS F5A-2		0031 826.06

Fuse plug

125 V / 125 mA	BNMS F125mA-3		0031 827.07
250 V / 125 mA	BNMS F125mA-4		0031 828.10

Strap plug

BNMS ST1		0031 829.11
BNMS ST2		0031 830.16

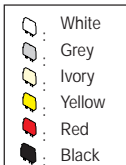
Model 2 plugs

Output optocoupler plugs

5 V DC 100 mA	BNMS N5V-3		0031 806.13
5 V DC 100 mA	BNMS P5V-3		0031 809.26
48 V DC 100 mA	BNMS N48V-3		0031 808.25
48 V DC 100 mA	BNMS P48V-3		0031 811.07
5 V DC 2 A	BNMS N5V-1		0031 812.00
5 V DC 2 A	BNMS P5V-1		0031 814.02
5 V DC 1 A	BNMS N5V-2		0031 816.04
5 V DC 1 A	BNMS P5V-2		0031 818.16

Converter plug

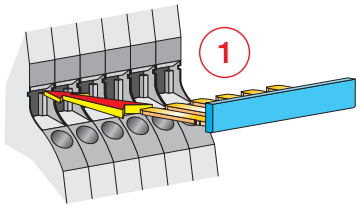
0 - 20 mA	0 - 10 V	BNMS CAI/U-500		0031 832.04
4 - 20 mA	2 - 10 V	BNMS CAI/U-500		0031 832.04
0 - 20 mA	0 - 5 V	BNMS CAI/U-250		0031 833.05
4 - 20 mA	1 - 5 V	BNMS CAI/U-250		0031 833.05



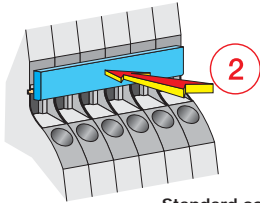
(3) Solely on the top stage.
(4) Sticks to the end section-flanges 6. (5) IP20 block with detachable protection strips, to order separately.
(6) Do not use with CPMS cover on.

COMB TYPE JUMPER BAR INSTALLATION

NOTE : It is recommended to install the comb type jumper bar before mounting the terminal boards on the rail. Make sure that the screws are completely loosened.



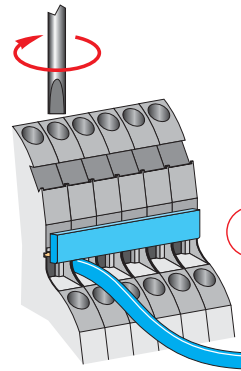
1 - Insert the comb type jumper bar into the compression clamp hole and push in upper position.



2 - Push the comb type jumper bar right against the terminal boards.

Standard comb type jumper bar :

No of poles	Type	GREY	RED	BLUE	YELLOW/GREEN
12	BFMS-12	0205 531.22	0205 532.23	0205 533.24	0205 534.25
20	BFMS-20	0205 563.02	0205 564.03	0205 565.04	0205 566.05

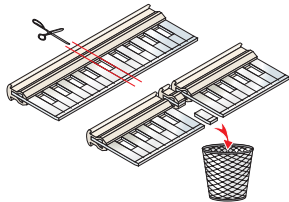


interfast MS

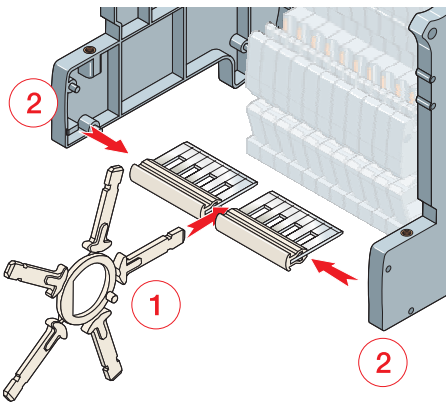
3 - Snap the terminal board on the rail. Connect the wires if necessary, and lock the comb type jumper bar with **all** the screws.

MAINTENANCE

A Shunt use

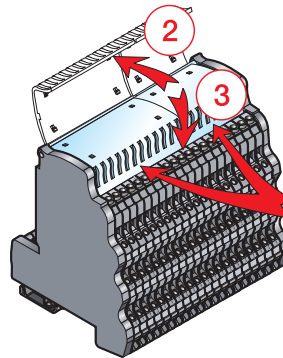


To separate the shunt, cut it on both sides of the indicated zone. Throw away the useless pieces.



Each shunt end has to be flanked by a separator **1** or an end section **2**.

B Cover opening / closing



Opening

- 1 - Push lightly in the direction of the arrows.
- 2 - Open the cover according to the arrow.

Closing

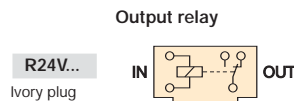
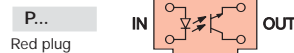
- 1 - Push lightly in the direction of the arrows.
- 3 - Close the cover according to the arrow.

D Plug description

Opto coupler output with negative field voltage



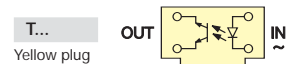
Opto coupler output with positive field voltage



DC input opto coupler



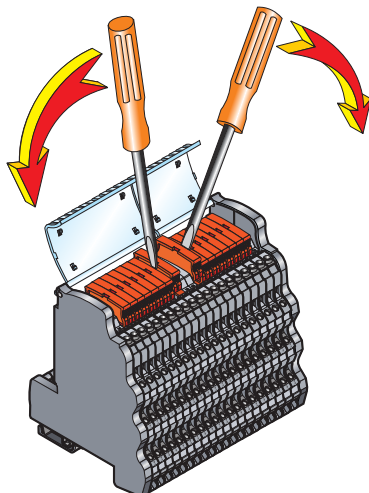
AC input opto coupler



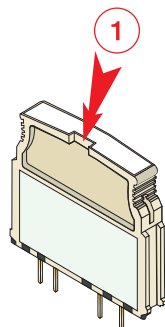
Fuse



C Plug extraction



1 - Insert the screwdriver in the slot and lever out right or left to extract the plug.



Accessories - Marking

entrelec

Summary

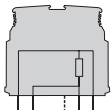
E1 - Accessories 210

E2 - Marking 223

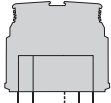
E

Range of plugs

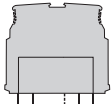
ABB Entrellec offers a wide range of Interfast plugs.



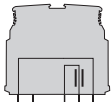
Converter plug



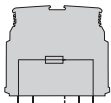
Strap 2 plug



Strap 1 plug



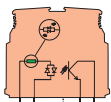
Input fuse plug



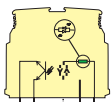
Output fuse plug



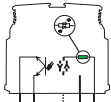
AC output optocoupler plug



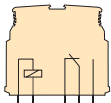
DC output optocoupler plug



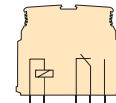
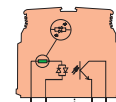
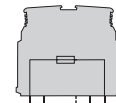
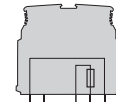
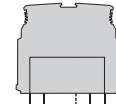
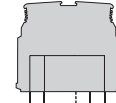
AC input optocoupler plug



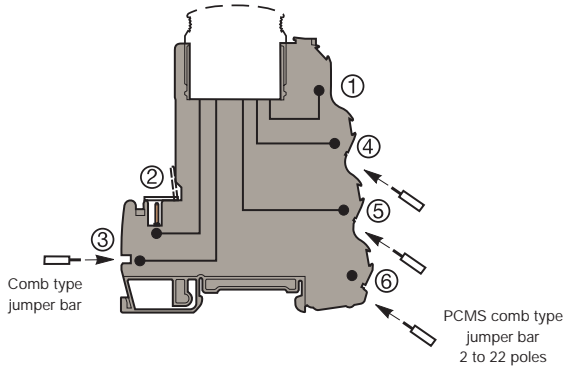
DC input optocoupler plug



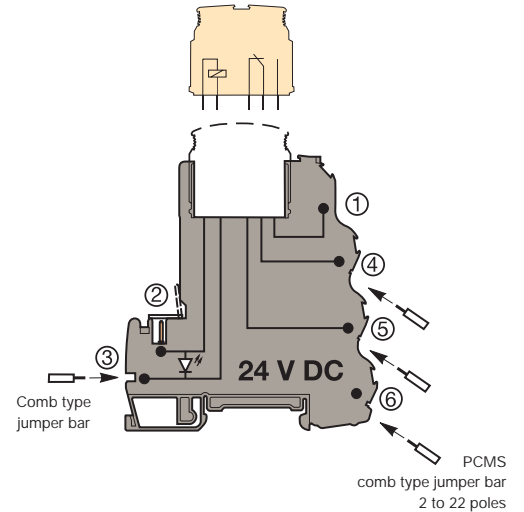
Relay plug



E
1



Terminal block without LED



Terminal block with LED

ACCESSORIES

BNMS

Model 1plugs

Input optocoupler plugs (See Characteristics on the next pages)

125 V DC	BNMS T125V-1	White	0031 831.03
24 V DC	BNMS T24V-1	White	0031 800.21
48 V DC	BNMS T48V-1	White	0031 801.16
5 V DC	BNMS T5V-1	White	0031 845.11
24 V AC	BNMS T24V-1	Yellow	0031 802.17
48 V AC	BNMS T48V-1	Yellow	0031 803.10
115 V AC	BNMS T115V-1	Yellow	0031 804.11
230 V AC	BNMS T230V-1	Yellow	0031 805.12

Output optocoupler plugs (See Characteristics on the next pages)

24 V DC 100 mA	BNMS N24V-3	Red	0031 807.14
24 V DC 100 mA	BNMS P24V-3	Red	0031 810.12
24 V DC 2 A	BNMS N24V-1	Red	0031 813.01
24 V DC 2 A	BNMS P24V-1	Red	0031 815.03
24 V DC 1 A	BNMS N24V-2	Red	0031 817.05
24 V DC 1 A	BNMS P24V-2	Red	0031 819.17

Relay plug (See Characteristics on the next pages)

1 RT	BNMS R24V-1	Ivory	0031 820.14
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Fuse plug

125 V / 125 mA	BNMS F125mA-1	Grey	0031 821.01
125 V / 500 mA	BNMS F250mA-1	Grey	0031 838.12
125 V / 2 A	BNMS F2A-1	Grey	0031 822.02
125 V / 5 A	BNMS F5A-1	Grey	0031 823.03
250 V / 125 mA	BNMS F125mA-2	Grey	0031 824.04
250 V / 2 A	BNMS F2A-2	Grey	0031 825.05
250 V / 5 A	BNMS F5A-2	Grey	0031 826.06

Fuse plug

125 V / 125 mA	BNMS F125mA-3	Grey	0031 827.07
250 V / 125 mA	BNMS F125mA-4	Grey	0031 828.10

Strap plug

BNMS ST1	Grey	0031 829.11
BNMS ST2	Grey	0031 830.16

Model 2 plugs

Output optocoupler plugs (See Characteristics on the next pages)

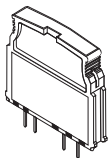
5 V DC 100 mA	BNMS N5V-3	Red	0031 806.13
5 V DC 100 mA	BNMS P5V-3	Red	0031 809.26
48 V DC 100 mA	BNMS N48V-3	Red	0031 808.25
48 V DC 100 mA	BNMS P48V-3	Red	0031 811.07
5 V DC 2 A	BNMS N5V-1	Red	0031 812.00
5 V DC 2 A	BNMS P5V-1	Red	0031 814.02
5 V DC 1 A	BNMS N5V-2	Red	0031 816.04
5 V DC 1 A	BNMS P5V-2	Red	0031 818.16

Converter plug (See Characteristics on the next pages)

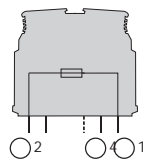
0 - 20 mA 0 - 10 V	BNMS CAI/U-500	Grey	0031 832.04
4 - 20 mA 2 - 10 V	BNMS CAI/U-500	Grey	0031 832.04
0 - 20 mA 0 - 5 V	BNMS CAI/U-250	Grey	0031 833.05
4 - 20 mA 1 - 5 V	BNMS CAI/U-250	Grey	0031 833.05

interfast MS

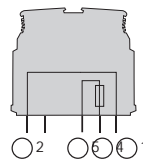
Fuse and strap plugs



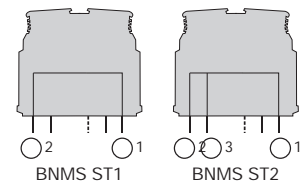
Output fuse plug



Input fuse plug



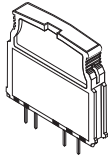
Strap plug



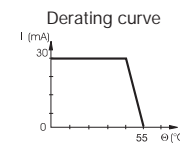
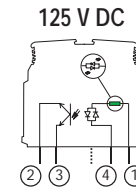
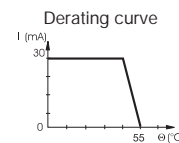
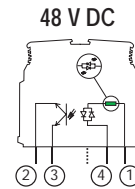
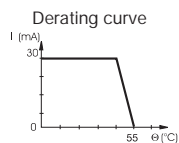
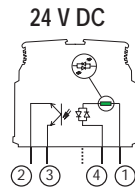
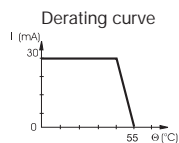
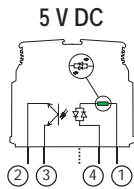
Part numbers	Type	P/N	Type	P/N	Type	P/N
	BNMS F125mA-1	125 V / 125 mA	0031 821.01	BNMS F125mA-3	125 V / 125 mA	0031 827.07
	BNMS F500mA-1	125 V / 500 mA	0031 838.12	BNMS F125mA-4	250 V / 125 mA	0031 828.10
	BNMS F2A-1	125 V / 2 A	0031 822.02			
	BNMS F5A-1	125 V / 5 A	0031 823.03			
	BNMS F125mA-2	250 V / 125 mA	0031 824.04			
	BNMS F2A-2	250 V / 2 A	0031 825.05			
	BNMS F5A-2	250 V / 5 A	0031 826.06			
					BNMS ST1	0031 829.11
					BNMS ST2	0031 830.16

interfast MS

Input optocoupler plugs



CE

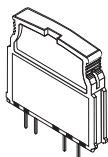


Part number	Type	P/N	Type	P/N	Type	P/N	Type	P/N
	BNMS	T5V-1	BNMS	T24V-1	BNMS	T48V-1	BNMS	T125V-1
		0031 831.03		0031 800.21		0031 801.16		0031 845.11
Characteristics								
INPUT								
Voltage	4,5 V to 5,5 V DC		19,2 V to 27,6 V DC		38,4 V to 55,2 V DC		93,5 V to 140 V DC	
Max. current	6 mA		5 mA		4,1 mA			
Typical triggering threshold at $I_s = 100\%$	3,5 V		12 V DC		21 V DC			
Switching time	20 μ s / 1,3 ms		20 μ s / 1,3 ms		20 μ s / 1,3 ms			
Leakage current	C/O		1 mA		0,8 mA			
OUTPUT								
Max. voltage. / Max. current	58 V / 30 mA		58 V / 30 mA		58 V / 30 mA		58 V / 30 mA	
Residual voltage max. I and rated U standard max.	2,3 V DC		2,3 V DC		2,3 V DC		2,3 V DC	
	2,7 V DC		2,7 V DC		2,7 V DC		2,7 V DC	
Input / Output isolation	2,5 kV		2,5 kV		2,5 kV		2,5 kV	
TEMPERATURE								
Storage	- 30°C to + 80°C		- 30°C to + 80°C		- 30°C to + 80°C		- 30°C to + 80°C	
Operating	- 20°C to + 55°C		- 20°C to + 55°C		- 20°C to + 55°C		- 20°C to + 55°C	

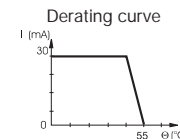
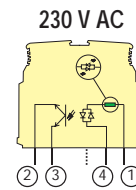
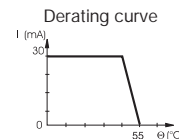
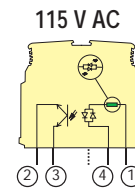
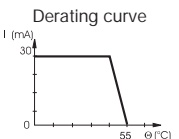
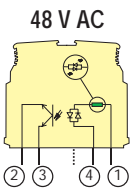
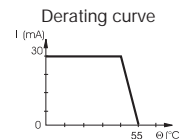
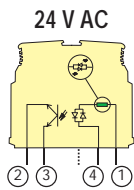
E

interfast MS

Input optocoupler plugs



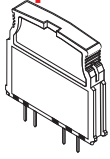
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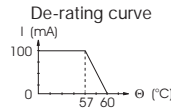
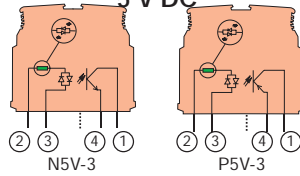
Part number	Type	P/N	Type	P/N	Type	P/N	Type	P/N
	BNMS	T24V-1	BNMS	T48V-1	BNMS	T115V-1	BNMS	T230V-1
		0031 802.17		0031 803.10		0031 804.11		0031 805.12
Characteristics								
INPUT								
Voltage	20,4 V to 26,4 V AC		40,8 V to 52,8 V AC		98 V to 126,5 V AC		195,5 V to 253 V AC	
Max. current	8,5 mA		4,5 mA		8 mA		7 mA	
Typical triggering threshold at $I_s = 100\%$	13 V AC		22 V AC		50 V AC		95 V AC	
Switching time	6 ms / 10 ms		6 ms / 10 ms		6 ms / 10 ms		6 ms / 10 ms	
Leakage current	C/O	1 mA	1 mA		2 mA		2 mA	
OUTPUT								
Max. voltage / Max. current	58 V / 30 mA		58 V / 30 mA		58 V / 30 mA		58 V / 30 mA	
Residual voltage max. I and rated U standard max.	2,3 V DC		2,3 V		2,3 V		2,3 V	
	2,7 V DC		2,7 V		2,7 V		2,7 V	
Input / Output isolation	2,5 kV		2,5 kV		2,5 kV		2,5 kV	
TEMPERATURE								
Storage	- 30°C to + 80°C		- 30°C to + 80°C		- 30°C to + 80°C		- 30°C to + 80°C	
Operating	- 20°C to + 55°C		- 20°C to + 55°C		- 20°C to + 55°C		- 20°C to + 55°C	

interfast MS

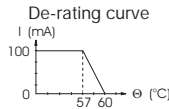
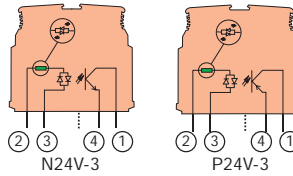
Transistor output optocoupler plugs



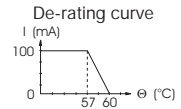
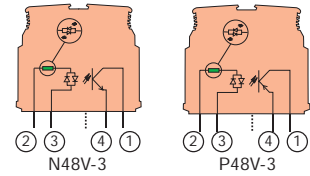
100 mA output optocoupler
5 V DC



100 mA output optocoupler
24 V DC



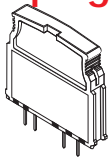
100 mA output optocoupler
48 V DC



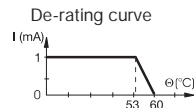
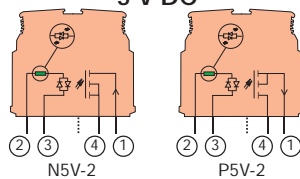
Part numbers	Type	P/N	Type	P/N	Type	P/N
	BNMS N5V-3	0031 806.13	BNMS N24V-3	0031 807.14	BNMS N48V-3	0031 808.25
	BNMS P5V-3	0031 809.26	BNMS P24V-3	0031 810.12	BNMS P48V-3	0031 811.07
Characteristics						
INPUT						
Voltage	4,5 V to 5,5 V DC		20,4 V to 28,8 V DC		40,8 V to 57,6 V DC	
Max. current	8,5 mA		4,8 mA		3,9 mA	
Typical triggering threshold at $I_s = 100 \%$	2,9 V DC		16 V DC		26 V DC	
Switching time C/O	20 μ s / 1,3 ms		20 μ s / 1,3 ms		20 μ s / 1,3 ms	
Leakage current	1 mA		1 mA		1 mA	
OUTPUT						
Max. voltage / Max. current	58 V / 100 mA		58 V / 100 mA		58 V / 100 mA	
Residual voltage max. I and rated U						
standard U	1 V DC		1 V DC		1 V DC	
max.	1,3 V DC		1,3 V DC		1,3 V DC	
Frequency on inductive load	See Note 1		See Note 1		See Note 1	
Input / Output isolation	2,5 kV		2,5 kV		2,5 kV	
TEMPERATURE						
Storage	- 30°C to + 80°C		- 30°C to + 80°C		- 30°C to + 80°C	
Operating	- 20°C to + 60°C		- 20°C to + 60°C		- 20°C to + 60°C	

interfast MS

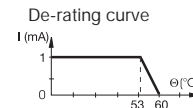
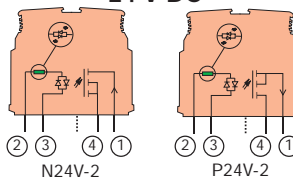
MOS output optocoupler plugs



1 A output optocoupler
5 V DC



1 A output optocoupler
24 V DC



Part numbers	Type	P/N	Type	P/N
	BNMS N5V-2	0031 816.04	BNMS N24V-2	0031 817.05
	BNMS P5V-2	0031 818.16	BNMS P24V-2	0031 819.17
Characteristics				
INPUT				
Voltage	4,5 V to 5,5 V DC		20,4 V to 28,8 V DC	
Max. current	12,5 mA		6,7 mA	
Typical triggering threshold at $I_s = 100\%$	3,5 V DC		10 V DC	
Switching time C/O	20 μ s / 250 μ s		50 μ s / 350 μ s	
Leakage current	1 mA		1 mA	
OUTPUT				
Max. voltage / Max. current	58 V / See graphs		58 V / See graphs	
Residual voltage max. I and rated U				
standard U	1 V DC		1 V DC	
max.	1,3 V DC		1,3 V DC	
Frequency on inductive load	See Note 1		See Note 1	
Input / Output isolation	2,5 kV		2,5 kV	
TEMPERATURE				
Storage	- 30°C to + 80°C		- 30°C to + 80°C	
Operating	- 20°C to + 60°C		- 20°C to + 60°C	

Note 1 :

$$F_{max} = (1 - 0,007 \times U_s) / (L \times I_s^2)$$

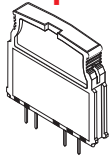
or

$$F_{max} = (1 - 0,007 \times U_s) / (P \times \frac{L}{R})$$

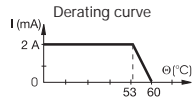
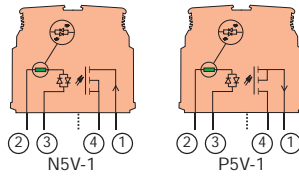
U_s = Output voltage supply
 I_s = Output current
 L = Inductive load
 P = Load power
 R = Load resistance

interfast MS

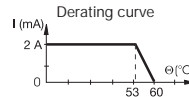
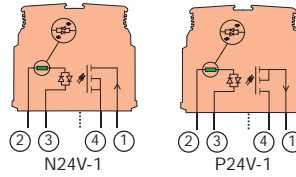
MOS output optocoupler plug



2 A output optocoupler 5 V DC



2 A output optocoupler 24 V DC



Note 2 :

$$F_{max} = (1 - 0,012 \times U_s) / (L \times I_s^2)$$

or

$$F_{max} = (1 - 0,012 \times U_s) / (P \times \frac{1}{R})$$

U_s = Output voltage supply
 I_s = Output current
 L = Inductive load
 P = Load power
 R = Load resistance

Part numbers

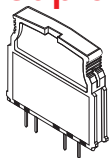
Type	P/N	Type	P/N
BNMS N5V-1	0031 812.00	BNMS N24V-1	0031 813.01
BNMS P5V-1	0031 814.02	BNMS P24V-1	0031 815.03

Characteristics

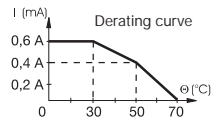
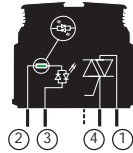
INPUT			
Voltage		4,5 V to 5,5 V DC	20,4 V to 28,8 V DC
Max. current		12,5 mA	6,7 mA
Typical triggering threshold		3,5 V DC	10 V DC
Switching time	C/O	20 µs / 250 µs	50 µs / 350 µs
Leakage current		1 mA	1 mA
OUTPUT			
Max. voltage / Max. current		30 V DC / See graphs	30 V / See graphs
Residual voltage max. I and rated U			
standard U		1 V DC	1 V DC
max.		1,3 V DC	1,3 V DC
Frequency on inductive load		See Note 2	See Note 2
Input / Output isolation		2,5 kV	2,5 kV
TEMPERATURE			
Storage		- 30°C to + 80°C	- 30°C to + 80°C
Operating		- 20°C to + 60°C	- 20°C to + 60°C

E

1 Triac output optocoupler plug



1 A output optocoupler 24 V DC



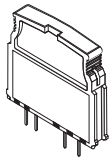
Part numbers

Type	P/N
BNMS A24V-4	0031 839.13

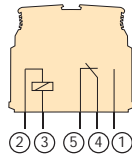
Characteristics

INPUT			
Voltage		20,4 V to 28,8 V DC	
Max. current		3,8 mA	
Typical triggering threshold		10 V DC	
Switching time	C/O	9,5 ms / 12 ms	
Leakage current			
OUTPUT			
Max. voltage / Max. current		24 V to 253 V AC / See derating curve	
Residual voltage max. I and rated U			
standard U		1 V AC	
max.		1,3 V AC	
Input / Output isolation		2,5 kV	
TEMPERATURE			
Storage		- 30°C to + 80°C	
Operating		- 20°C to + 70°C	

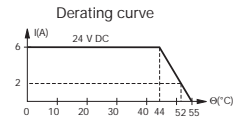
interfast MS Relay plug



1 SPDT relay

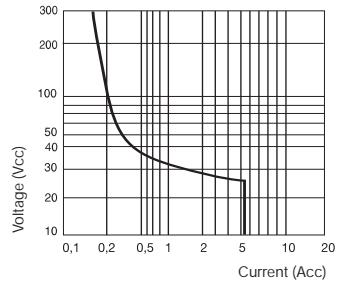


R24V-1



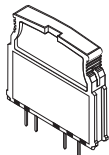
Part numbers	Type	P/N
	BNMS R24V-1	0031 820.14
Characteristics		
COIL		
Voltage	20,4 V to 28,8 V DC	
Current max.	7 mA	
Trip voltage	1,2 V	
CONTACT		
Type	1 SPDT	
Voltage mini. / max.	12 V / 250 V	
Switching current mini. / max.	10 mA / 6 A	
Switching current	AC1 mini. / max.	0,6 VA / 1500 VA (resistance)
	DC1 mini. / max.	0,6 W / 140 W
Number of operations on load	10 ⁵ operations for AC15	
Number of operations off load	10x10 ⁶ operations	
Operating speed	6 ms / 8 ms	
Bounce	1,5 ms	
Isolation Coil / Contact	4 kV	
Resistance to shock waves Coil / Contact	4 kV	
Isolation Contact / Contact	1 kV	
TEMPERATURE		
Storage	- 40°C to + 80°C	
Operating	- 20°C to + 55°C	

Limited load in CC

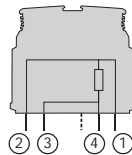


	DC12	AC12	DC13	AC15
24 V	6 A	6 A	1 A	3 A
110/120 V	0,3 A	6 A	0,2 A	3 A
220/230 V	0,2 A	6 A	0,1 A	3 A

interfast MS Analogical plug

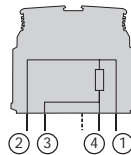


Current / Voltage Converter



Plug with 250 Ω accuracy resistance for analogical signals.

Current / Voltage Converter



Plug with 500 Ω accuracy resistance for analogical signals.

Part numbers	Type	P/N	Type	P/N
	BNMS CA I/U-250	0031 832.04	BNMS CA I/U-500	0031 833.05
Characteristics				
Resistance	250 Ω		500 Ω	
Power	0,35 W		0,35 W	
Accuracy	0,1 %		0,1 %	
Stability	25 ppm		25 ppm	

omnicconnect P.C.B. connectors

Screw-clamp connection
Spacing 5.08 mm
Body : UL94 V0

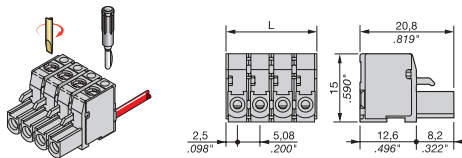


CPFT2 / ...

Plugs,

wires parallel to connection

Spacing 5,08 mm .200"

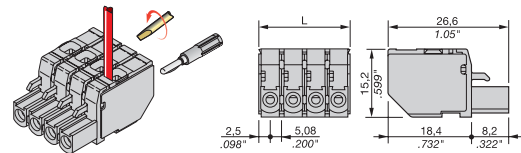


CPFT2 / R-...

Plugs,

wires perpendicular to connection

Spacing 5,08 mm .200"



Characteristics

Wire size

	IEC	UL	CSA
Solid*	0-2,5 mm ²	24-12 AWG	24-12 AWG
Stranded*	0-2,5 mm ²		

Voltage

V	250	300	300

Current

A	12	15	15

Rated wire size

	2,5 mm ²	12 AWG	12 AWG

Other characteristics

Wire stripping length	Recomm. screwdriver	Recomm. torque	Protection
7,5 mm .295"	3,5 mm .137"	0,4 Nm 3,5 lb.in	IP 20 NEMA 1

Max. working temperature	100° C
Contact resistance	< 5 m Ω

Approvals



Number of poles Type Part number

Spacing 5,08 mm .200" black body

		0094 302.21
		0094 303.22
		0094 304.23
		0094 305.24
		0094 306.25
		0094 307.26
		0094 308.07
		0094 309.00
		0094 310.24
		0094 311.11
		0094 312.12
		0094 313.13
		0094 314.14
		0094 315.15
		0094 316.16
		0094 317.17
		0094 318.20
		0094 319.21
		0094 320.26
		0094 321.13
		0094 322.14
		0094 323.15
		0094 324.16

Number of poles Type Part number

Spacing 5,08 mm .200" black body

2	CPFT2 / R-2	0094 352.22
3	CPFT2 / R-3	0094 353.23
4	CPFT2 / R-4	0094 354.24
5	CPFT2 / R-5	0094 355.25
6	CPFT2 / R-6	0094 356.26
7	CPFT2 / R-7	0094 357.27
8	CPFT2 / R-8	0094 358.00
9	CPFT2 / R-9	0094 359.01
10	CPFT2 / R-10	0094 360.06
11	CPFT2 / R-11	0094 361.23
12	CPFT2 / R-12	0094 362.24
13	CPFT2 / R-13	0094 363.25
14	CPFT2 / R-14	0094 364.26
15	CPFT2 / R-15	0094 365.27
16	CPFT2 / R-16	0094 366.20
17	CPFT2 / R-17	0094 367.21
18	CPFT2 / R-18	0094 368.02
19	CPFT2 / R-19	0094 369.03
20	CPFT2 / R-20	0094 370.00
21	CPFT2 / R-21	0094 371.25
22	CPFT2 / R-22	0094 372.26
23	CPFT2 / R-23	0094 373.27
24	CPFT2 / R-24	0094 374.20

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Number of poles Type Part number

Spacing 5,08 mm .200" black body

3	CPFIC5 / 3	0299 337.05
4	CPFIC5 / 4	0299 249.25
6	CPFIC5 / 6	0299 064.07
8	CPFIC5 / 8	0299 253.11
10	CPFIC5 / 10	0299 257.15
11	CPFIC5 / 11	0299 261.11
12	CPFIC5 / 12	0299 265.15
16	CPFIC5 / 16	0299 286.03
18	CPFIC5 / 18	0299 292.01
20	CPFIC5 / 20	0299 298.17
24	CPFIC5 / 24	0299 304.15

3 poles housing cable Ø : 4 to 7 mm
 4 poles housing cable Ø : 4 to 9 mm
 This kit includes: 1 separator + 1 cover + 1 strap

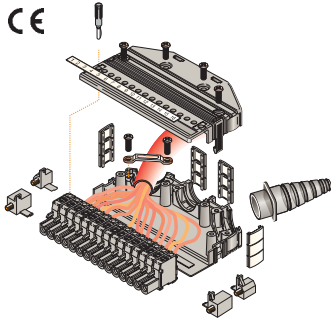
6 poles housing cable Ø : 3 to 12 mm
 This kit includes: 1 separator + 1 cover + 1 flange + 2 self-tapping screws

8 poles housing cable Ø : 4 to 15 mm
 10 to 12 poles housing cable Ø : 4 to 15 mm
 This kit includes: 1 separator + 1 cover + 1 flange + 2 self-tapping screws

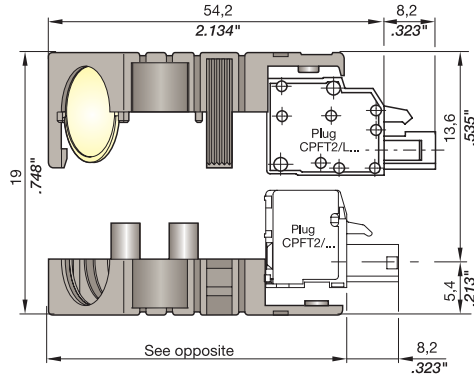
16 to 24 poles housing cable Ø : 4 to 15 mm
 This kit includes: 1 separator + 1 cover + 1 flange + 2 self-tapping screws

Housing kits

Spacing 5.08 mm
 Body : UL94 V0



CPFIC5 / ... Plug housings



Accessories

	Type	Part number	P/N black	P/N grey
			0179 518.02	
1	Insert sleeve (8 to 24 poles cover)	0177 442.24		
2	Plastic strap	0179 507.00		
3	Tightening screw	0178 801.06		
4	Tightening flange	0176 192.11		

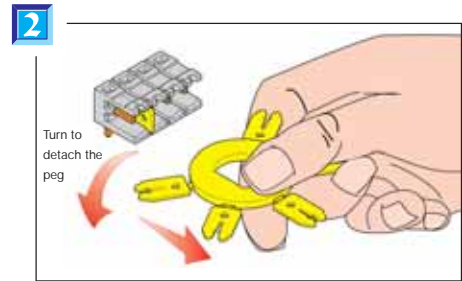
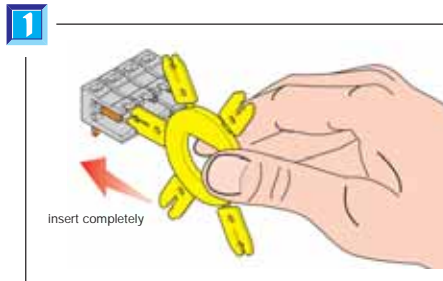
omnicconnect CODING ACCESSORIES

Coding peg COPE

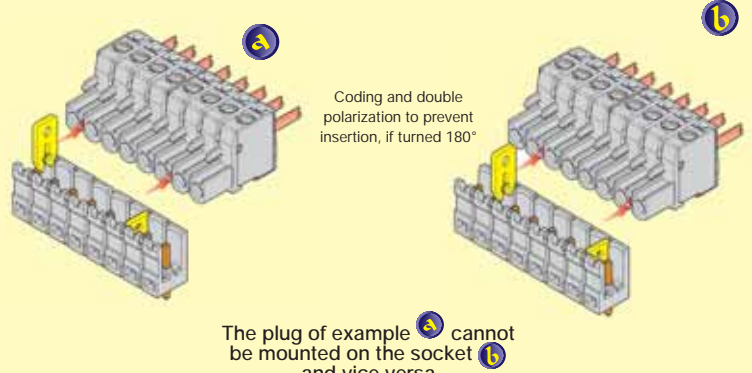
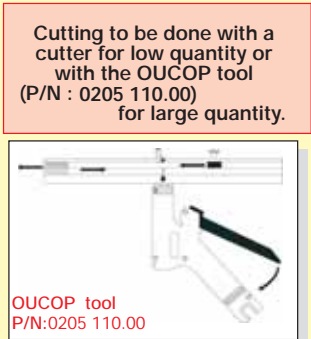
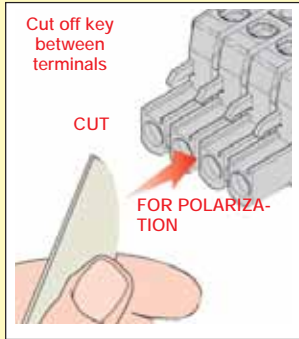
0199 322.22



RECOMMENDED SOLUTION
Efficient system with few parts.

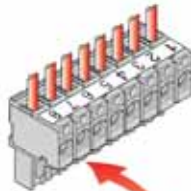


CODING EXAMPLES



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1

Terminal blocks MA 2,5/5 - CPE...

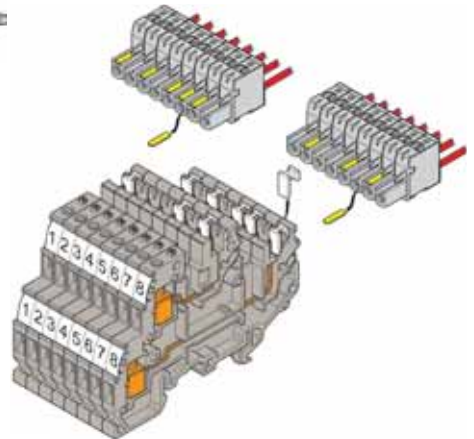


Coding peg for COC1

0299 777.16



Terminal blocks MA 2,5/5D2 ... - 2CPE...



CAUTION!

The 2 outputs for plugs are inverted. **Blocking highly recommended.**

If one set is not used, mount blocking pegs to prevent a plug from being mounted on the output.

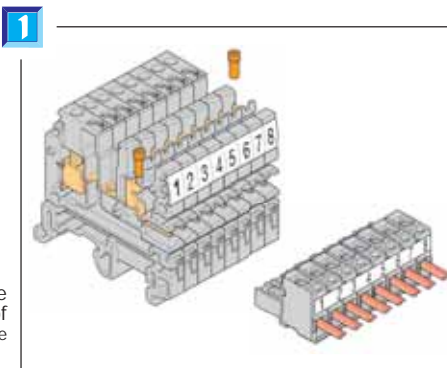
If both outputs are used, coding is highly recommended.

Blocking peg COCF 32

0173 660.16



Blocking peg to be mounted on the pins of the unused output (to be ordered separately).

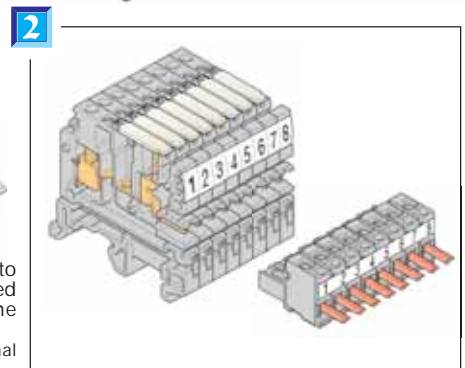


Detachable protection CPF 5,08

0199 323.23



Detachable protection to be mounted on the unused connection part of the plug (supplied with the terminal block).

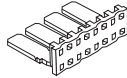


Accessories

PCMS

Comb-type jumper

This accessory permits the electrical connection of 2 to 22 blocks.



No. of poles	Grey UL94V0	Red UL94V0	Blue UL94V0	Green/Yellow UL94V0
2	0205 491.23	0205 492.24	0205 493.25	0205 494.26
3	0205 495.27	0205 496.20	0205 497.21	0205 498.02
4	0205 499.03	0205 500.10	0205 501.05	0205 502.06
5	0205 503.07	0205 504.00	0205 505.01	0205 506.02
6	0205 507.03	0205 508.14	0205 509.15	0205 510.01
7	0205 511.26	0205 512.27	0205 513.20	0205 514.21
8	0205 515.22	0205 516.23	0205 517.24	0205 518.05
9	0205 519.06	0205 520.03	0205 521.20	0205 522.21
10	0205 523.22	0205 524.23	0205 525.24	0205 526.25
11	0205 527.26	0205 528.07	0205 529.00	0205 530.05
12	0205 531.22	0205 532.23	0205 533.24	0205 534.25
13	0205 535.26	0205 536.27	0205 537.20	0205 538.01
14	0205 539.02	0205 540.17	0205 541.04	0205 542.05
15	0205 543.06	0205 544.07	0205 545.00	0205 546.01
16	0205 547.02	0205 548.13	0205 549.14	0205 550.11
17	0205 551.06	0205 552.07	0205 553.00	0205 554.01
18	0205 555.02	0205 556.03	0205 557.04	0205 558.15
19	0205 559.16	0205 560.13	0205 561.00	0205 562.01
20	0205 563.02	0205 564.03	0205 565.04	0205 566.05
21	0205 567.06	0205 568.17	0205 569.10	0205 570.15
22	0205 571.02	0205 572.03	0205 573.04	0205 574.05

BFMS AUTO

Fuse plugs

32 V / 2 A	BFMS AUTO	0205 812.24
32 V / 3 A	BFMS AUTO	0205 813.25
32 V / 5 A	BFMS AUTO	0205 814.26



BF5 AUTO

Fuse plugs with extractor

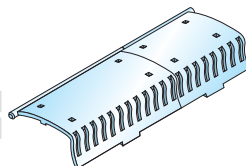
32 V / 2 A	BF5 AUTO	0205 815.27
32 V / 3 A	BF5 AUTO	0205 816.20
32 V / 5 A	BF5 AUTO	0205 817.21



CPMS

Protective cover

12 or 20 poles protective cover	0205 227.01
34 poles protective cover	0206 163.02



EL

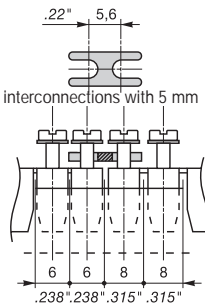
Connector plate

This accessory is used for connecting electrically two assembled interconnections with 5 mm spacing.



EL6

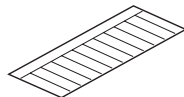
0173 627.21



RTMS

Marking strip CPMS for protective cover

12 poles label	0206 530.06
20 poles label	0206 531.23
34 poles label	0206 532.24



BJM...

Assembled jumper bar

Two versions of this accessory are available.

Fractionable model, composed of captive screws on a jumper bar system. This accessory can be used for connecting consecutive blocks only.

IP20 without protection



Current Capacity, Amps

BJM5 for MA 2,5/5 blocks

24 A	2 poles	0176 273.01
24 A	3 poles	0176 274.02
24 A	4 poles	0176 275.03
24 A	5 poles	0176 276.04
24 A	10 poles	0176 277.05

IP20 with protection



Current Capacity, Amps

BJM15 for MA 2,5/5 blocks

24 A	2 poles	0176 278.16
24 A	3 poles	0176 279.17
24 A	4 poles	0176 280.05
24 A	5 poles	0176 281.22
24 A	10 poles	0176 282.23

PEF

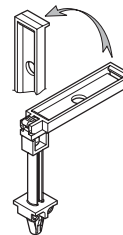
Identification label holders

Designed to hold RPEV label (see opposite).

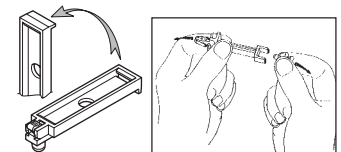
PEF * 0020 568.04

* Come with labels.

The label holders are removable and the labels can be changed easily. ● Mounted on PCB in a 3.7 mm diameter hole.



● For mounting on a PCB block in a 2 mm diameter hole (no support leg).



RPEV

Label for PEF 29 x 6 mm

Sheets of 99 pre-cut labels

✓ Blank

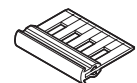
RPEV 0173 178.07



PC2MS

PC2MS shunt

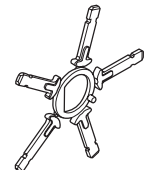
10 poles	0400 169.17
12 poles	0400 215.05
20 poles	0400 170.14
34 poles	0400 171.01



SCMS

Separator

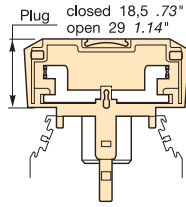
SCMS 0400 172.02



BNS5

Plug with solder tags

Compatible with electronic components and fuses.



BNS5 0116 702.24

Max. diameter or thickness for component :
- Plug BNS5 : 3 mm / .118" maxi.

Soldered fuses 250 V

FUBS	0,5	A	0174 893.16
FUBS	1	A	0174 894.17
FUBS	2	A	0174 895.10
FUBS	3	A	0174 896.11
FUBS	5	A	0174 897.12

CB

Shield connector



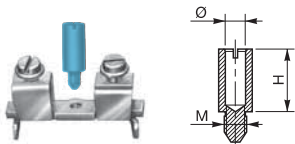
Delivered separately, this bar of treated brass is mounted in the lower part of the terminal block. It ensures the continuity of the shield connection. The connection to the shield connector can be made either by soldering or by 2,8 x 0,5 mm or 2,8 x 0,8 mm quick connect tabs. Notch available for bridging all shieldings. This accessory overlaps on each side of the block by about 13,5 mm. Use of this bar reduces insulation between terminal and ground, working voltage must be derated (consult us if necessary).

CBM8	0178 746.15
CBM5	0178 745.14

AL

Test socket

This accessory is screwed into the tapped holes of the connector bar of the terminal blocks. Some blocks are delivered socket mounted. This socket receives an FC test plug.



The test sockets are characterized by their internal diameter.

Ø 2 mm H = 11.7 mm .079" DIA. .461" H
M2,6 AL2 0163 046.24

SC

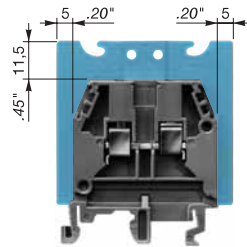
Circuit separator and separator end section

Snap-on end sections for blocks / separators

SCF

An SCF separator is snapped onto the terminal block before mounting on the rail. It can also be used as an end section.

✓ With possibility of mounting a protective cover CPM, and a marker-holder PEP.



For blocks : MA 2,5/5

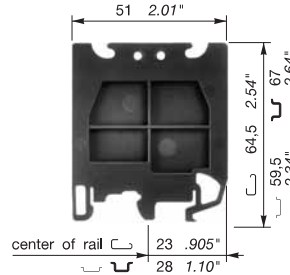
Thickness : 3 mm .118"

SCF6	grey	0118 707.03
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Snap-on end sections for rails / separators

SCFM6

✓ With possibility of mounting a protective cover CPM, and a marker-holder PEP. Mounting on PR1, PR3, PR4 and PR5 rails



For blocks : M 4/6
M 6/8
M 10/10

Thickness : 3 mm .118"

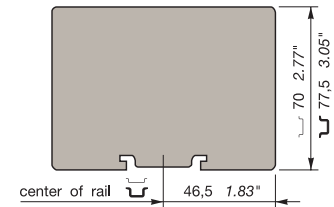
SCFM6	grey	0114 825.05
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SCFEX

Separator for use with explosive atmosphere terminal blocks.

It can also be used for blocks spacing 5 to 16 mm.

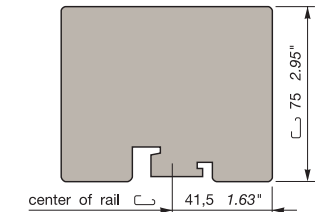
✓ Mounting on PR3 and PR5 rails



Thickness : 2,4 mm .094"

SCFEX3*	grey	0103 620.01
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✓ Mounting on PR1 rail only.



Thickness : 2,4 mm .094"

SCFEX1*	grey	0103 619.04
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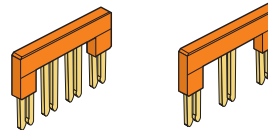
* When the block used has snap-on feature use circuit separator SCF.

BJDL

Jumper bar for spring blocks with same spacing

For blocks spacing 5 mm .200"

BJDL5.2	2 points	0291 102.23
BJDL5.3	3 points	0291 103.24
BJDL5.4	4 points	0291 104.25
BJDL5.5	5 points	0291 105.26
BJDL5.6	6 points	0291 106.27
BJDL5.7	7 points	0291 107.20
BJDL5.8	8 points	0291 108.01
BJDL5.9	9 points	0291 109.02
BJDL5.10	10 points	0291 110.26



DC

Test device on screw head

This patented device is mounted on the round screwdriver opening. It is used for troubleshooting, measuring and control for monitoring and repairing an installation, on blocks without a test socket. For this, the device receives an FC2 test plug.

The DC's are differentiated by their colour :

blue for MA 2,5/5 blocks

DCB	0105 028.21
-----	-------------

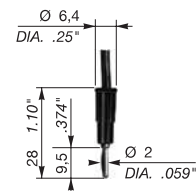


FC

Test plug

These accessories, when used with measuring or control equipment, are used for trouble shooting or testing of a circuit, on the blocks equipped with a test socket or by use of a test device (for FC2 only).

Test plug DIA. 2 mm .079"
(soldered connection : 1 mm² max. - 18 AWG)



FC2	0007 865.26
-----	-------------

Mounting rails
Asymmetrical - DIN 1
Symmetrical - DIN 2
Symmetrical - DIN 3



The "Series 5000" terminal blocks snap onto the PR1 asymmetrical DIN 1 rails described here.

The rails are often used as grounding bars. The current carrying capacity of the rails and the copper wire sizes required to carry that current are given below.

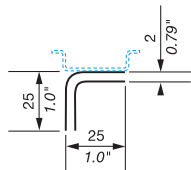
RAIL CURRENT CARRYING CAPACITY

Rail	Material	Current (A)	Wire size AWG	Wire size mm ²
TS 32	Steel	143	2	35
TS 32 ALU	Aluminium	265	000	95
TS 35/F6	Steel	65	8	10
TS 35	Steel	87	6	16
TS 35/C	Steel	125	4	25
TS 35/C1	Steel	143	2	35

EM

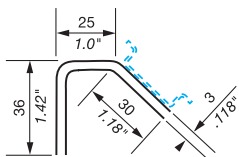
Rail offset brackets

These accessories are available with all rail describes on this page.



Deflection 90°

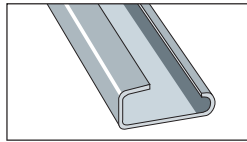
EM90 0008 520.01



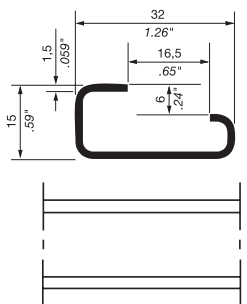
Deflection 45°

EM45 0008 521.26

TS 32 / TS 32 ALU

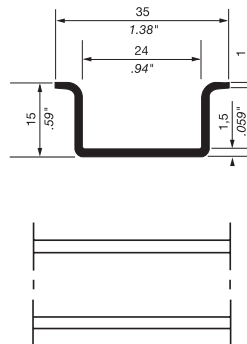


Asymmetrical 32 mm 1.26" G rail in compliance with EN 50035 standard (DIN 46277-1 - NFC 63018) DIN 1



Type	P/N
PR1.Z2 (TS 32)	0163 050.04
White passivated galvanized steel, length 2 m 6'6" (78") approx.	
PR1.A2 (TS 32 ALU)	0167 120.23
Aluminum alloy length 3 m 9'9" (117") approx.	
PR1.Z3	0167 100.00
White passivated galvanized steel, length 3 m 9'9" (117") approx.	

TS 35/C

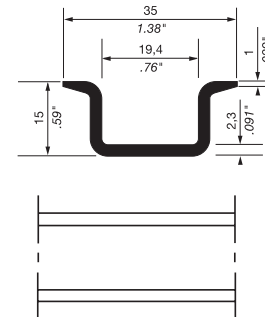


Type	P/N
PR5 (TS 35/C)	0168 700.22
White passivated galvanized steel, length 2 m 6'6" (78") approx.	

TS 35/C1



rail in compliance with EN 50022 (NFC 63015) DIN 3

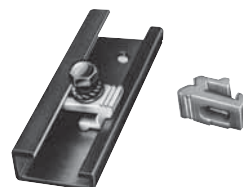


Type	P/N
PR4 (TS 35/C1)	0168 500.12
White passivated galvanized steel, length 2 m 6'6" (78") approx.	

FX

Mounting nuts

Two nuts, embedded into a 12 mm wide polyamide body, are used for fixing devices on PR1 rail. They stick on the rail. Mounting of the blocks is made using screws (length = width to be tightened + 10 mm). In the table hereunder, the first digit concerns the hole located on the upper side of the rail.

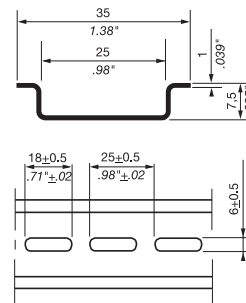


Thread	Colour	Type	Part number
M4-M6	white	FX M4/M6	0163 215.22
M6-M4	grey	FX M6/M4	0163 910.27
M3-M5	yellow	FX M3/M5	0163 811.10
M5-M3	black	FX M5/M3	0163 911.14
M4	blue	FX M4	0163 912.15
M3	green	FX M3	0163 913.16

TS 35/F6

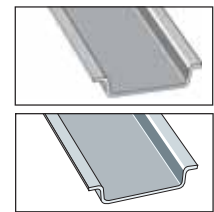


In compliance with EN 50022 standard (DIN 46277-3 - NFC 63015) DIN 3

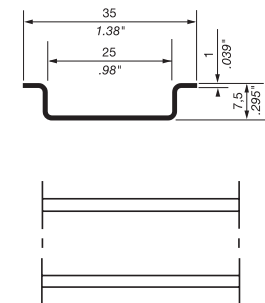


Type	P/N
PR30 (TS 35/F6)	0173 220.05
White passivated galvanized steel, prepunched length 2 m 6'6" (78") approx. The length and prepunched cut out dimensions are approximate.	

TS 35



In compliance with EN 50022 standard (DIN 46277-3 - NFC 63015) DIN 3



Type	P/N
PR3.Z2 (TS 35)	0174 300.17
White passivated galvanized steel, length 2 m 6'6" (78") approx.	

BA
End stops

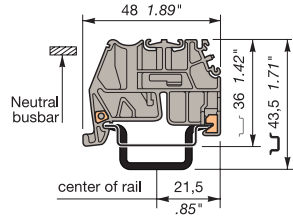
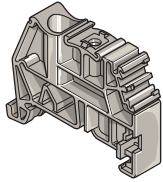
The end stops are mounted at the extremity of the terminal board assembly, giving additional support to the terminal blocks as markers. For various types of marking, refer to the marker section

BADL

Screwless, snaps on rail without tool. V0 grey polyamide for DIN 3 rail. Maintained in place and locked on the rail with metal grips. To reposition, do not slide on the rail. Withdraw and snap again (screwdriver DIA. 6,5 mm .256" max.)

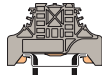
Thickness : 9 mm .354"

BADL 0199 408.02



BAM2

End stop with screws DIN 3



BAM2

light grey V0	□	BAM2 V0	10 mm	0399 967.01
grey V2	■	BAM2	10 mm	0206 351.16
beige V0	■	BAM2 V0	10 mm	0296 351.00

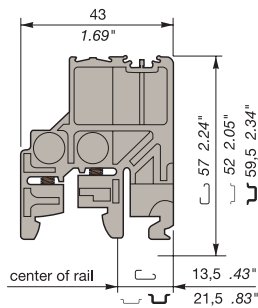
E
1

BAMH

Multi-rail end stop of V2 or V0 polyamide equipped with 2 blocking screws allows mounting on PR1, PR3, PR4 and PR5 (DIN 1, DIN 3) rails. Suitable for double deck blocks. Recommended screwdriver : DIA. 5,5 mm .217" Recommended torque : Min. 0,8 mN - Max. 1 mN Min. 7.1 lb.in - Max. 8.9 lb.in Thickness : 9,1 mm .358"

BAMH 0114 836.00

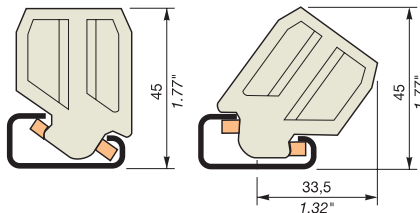
BAMH V0 0194 836.01



BAR

Reversible end stop of beige polyamide with blocking bracket. To be mounted vertically or at 30° angle, on PR1 rail only.

Thickness : 10 mm .394"



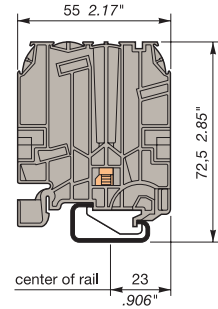
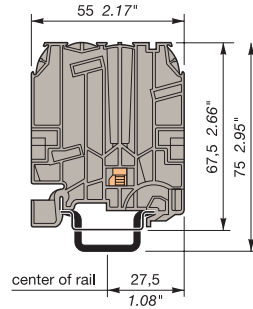
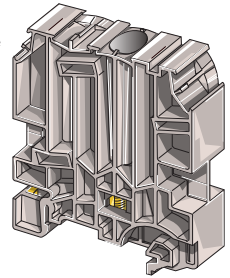
BAR beige 0164 519.24

BADH, BAEH

Tall end stop of polyamide, for use with M 70/22, M 95/26 blocks, power blocks, double or triple deck blocks, and electronic interface modules series 7000, 8000, 10000, 11000 and 30000. Snaps on rail - Easy mounting and repositioning, even between 2 blocks.

Recommended screwdriver : DIA. 5,5 mm .217" Recommended torque : Min. 1,2 Nm - Max. 1,4 Nm Min. 10.6 lb.in - Max. 12.3 lb.in

Thickness : 12 mm .472"

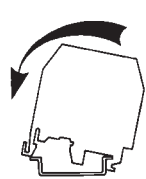
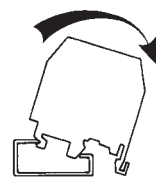
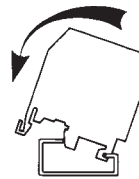


BADH grey	0116 900.27	BAEH grey	0116 934.04
		BAEH beige	0196 934.05

Terminal blocks mounting

on PR1 rail

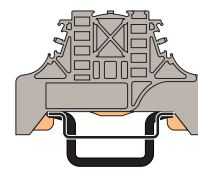
on PR3, PR30, PR4, PR5 rail



To be mounted vertically

To be mounted at 30° angle
(only for screw-screw)

To be mounted vertically



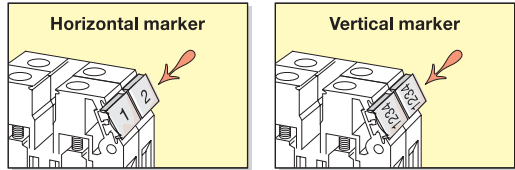
End stop with screws DIN 3

grey V0	□	BAM2 V0	10 mm	0399 967.01
blue V2	■	BAM2	10 mm	0206 351.16
beige V0	■	BAM2 V0	10 mm	0296 351.00

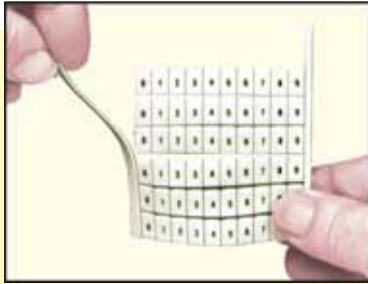
RC Standard marker cards

Marking method **5** **10**

Each marker card contains 10 strips of 10 markers, i.e. 100 markers per card. Marker cards are white polyamide 6 moulding with black lettering.

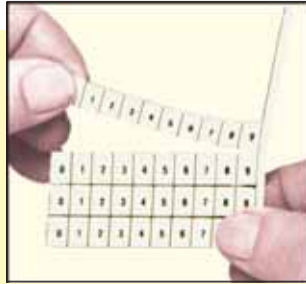


How to use



1

Remove one of the side bands of the card.



2

Separate the chosen strip from the rest of the card.



3

- Marking with strips of 10 markers for blocks with 5.6 and 8 mm spacing: Press the first marker in place, hold it, and press the rest of the strip with your thumb.
- Single markers: Press the chosen marker in place, hold it, and tear off the rest of the strip.

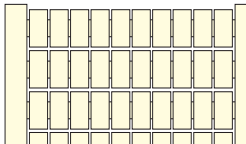
Marker sizes

RC55
5 x 5 mm .197" x .197" markers.
Can be used on blocks from 5 mm .197" spacing, with possibility of mounting 1 or 2 markers per housing.

RC510
5 x 10 mm .197" x .395" markers.
Can be used on blocks from 5 mm .197" spacing, with possibility of mounting 1 markers per housing.

Blank card

Blank marker cards



RC55

0230 000.12

RC510

0231 000.07

Horizontal marking of numbers

Horizontal marking
Increasing order



RC55

0230 030.07

RC510

0231 030.24

- 1 → 100
- 101 → 200
- 201 → 300
- 301 → 400
- 401 → 500
- 501 → 600
- 601 → 700
- 701 → 800
- 801 → 900
- 901 → 1000
- 1001 → ...

- 0230 031.24 0231 031.11
- 0230 032.25 0231 032.12
- 0230 033.26 0231 033.13
- 0230 034.27 0231 034.14
- 0230 035.20 0231 035.15
- 0230 036.21 0231 036.16
- 0230 037.22 0231 037.17
- 0230 038.03 0231 038.20
- 0230 039.04 0231 039.21
- 0230 071.04 0231 071.21

Horizontal marking

Repeated increasing order 10 times



RC55

RC510

- 0 → 9
- 1 → 10
- 11 → 20
- 21 → 30
- 31 → 40
- 41 → 50
- 51 → 60
- 61 → 70
- 71 → 80
- 81 → 90
- 91 → 100
- 101 → 110
- 111 → 120
- 121 → 130
- 131 → 140
- 141 → 150
- 151 → 160
- 161 → 170
- 171 → 180
- 181 → 190
- 191 → 200
- 201 → ...
- ... → 999

- 0230 001.07 0231 001.24
- 0230 002.00 0231 002.25
- 0230 003.01 0231 003.26
- 0230 004.02 0231 004.27
- 0230 005.03 0231 005.20
- 0230 006.04 0231 006.21
- 0230 007.05 0231 007.22
- 0230 008.16 0231 008.03
- 0230 009.17 0231 009.04
- 0230 010.03 0231 010.20
- 0230 011.20 0231 011.15
- 0230 012.21 0231 012.16
- 0230 013.22 0231 013.17
- 0230 014.23 0231 014.10
- 0230 015.24 0231 015.11
- 0230 016.25 0231 016.12
- 0230 017.26 0231 017.13
- 0230 018.07 0231 018.24
- 0230 019.00 0231 019.25
- 0230 020.05 0231 020.22
- 0230 021.22 0231 021.17
- 0230 022.23* 0231 022.10*

Horizontal marking of numbers

Horizontal marking
Alternate even/odd numbered for 2 deck block M 4/6.D



RC55

0232 133.15

RC510

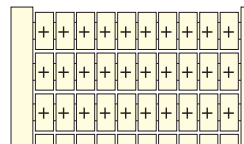
0233 133.16

- 1 → 20
- 21 → 40
- 41 → 60
- 61 → 80
- 81 → 100

- 0232 134.16 0233 134.17
- 0232 135.17 0233 135.10
- 0232 136.10 0233 136.11
- 0232 137.11 0233 137.12

Horizontal marking of conventional symbols

Horizontal marking
Repeated identical symbols



RC55

0230 111.21

RC510

0231 111.16

- 100 x +
- 100 x -
- 100 x ~
- 100 x =
- 100 x

- 0230 112.22 0231 112.17
- 0230 114.24 0231 114.11
- 0230 113.23 0231 113.10
- 0230 115.25 0231 115.12

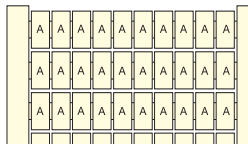
* Part number identical for each group of numbers - On request indicate marking

RC Standard marker cards(cont.)

Marking method ⑤

Horizontal marking of letters

Horizontal marking
Repeated identical letters



	RC55	RC510
100 x A	0230 150.14	0231 150.01
100 x B	0230 151.01	0231 151.26
100 x C	0230 152.02	0231 152.27
100 x D	0230 153.03	0231 153.20
100 x E	0230 154.04	0231 154.21
100 x F	0230 155.05	0231 155.22
100 x G	0230 156.06	0231 156.23
100 x H	0230 157.07	0231 157.24
100 x I	0230 158.10	0231 158.05
100 x J	0230 159.11	0231 159.06
100 x K	0230 160.16	0231 160.03
100 x L	0230 161.03	0231 161.20
100 x M	0230 162.04	0231 162.21
100 x N	0230 163.05	0231 163.22
100 x O	0230 164.06	0231 164.23
100 x P	0230 165.07	0231 165.24
100 x Q	0230 166.00	0231 166.25
100 x R	0230 167.01	0231 167.26
100 x S	0230 168.12	0231 168.07
100 x T	0230 169.13	0231 169.00
100 x U	0230 170.10	0231 170.05
100 x V	0230 171.05	0231 171.22
100 x W	0230 172.06	0231 172.23
100 x X	0230 173.07	0231 173.24
100 x Y	0230 174.00	0231 174.25
100 x Z	0230 175.01	0231 175.26

Vertical marking of numbers

Vertical marking
Increasing order repeated 10 times

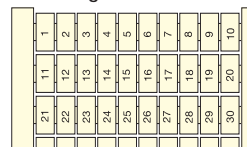


	RC55	RC510
0 → 9	0230 040.11	0231 040.06
1 → 10	0230 041.06	0231 041.23
11 → 20	0230 042.07	0231 042.24
21 → 30	0230 043.00	0231 043.25
31 → 40	0230 044.01	0231 044.26
41 → 50	0230 045.02	0231 045.27
51 → 60	0230 046.03	0231 046.20
61 → 70	0230 047.04	0231 047.21
71 → 80	0230 048.15	0231 048.02
81 → 90	0230 049.16	0231 049.03
91 → 100	0230 050.13	0231 050.00
101 → 110	0230 051.00	0231 051.25
111 → 120	0230 052.01	0231 052.26
121 → 130	0230 053.02	0231 053.27
131 → 140	0230 054.03	0231 054.20
141 → 150	0230 055.04	0231 055.21
151 → 160	0230 056.05	0231 056.22
161 → 170	0230 057.06	0231 057.23
171 → 180	0230 058.17	0231 058.04
181 → 190	0230 059.10	0231 059.05
191 → 200	0230 072.05	0231 072.22
201 → ...	0230 073.06*	0231 073.23*
... → 999		

*Reference identical for each group of numbers
-on request indicate marking.

Ex: 0230 073.06 : 301 to 310

Vertical marking
Increasing order



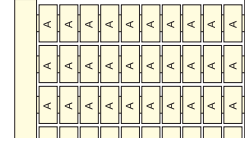
	RC55	RC510
1 → 100	0230 060.15	0231 060.02
101 → 200	0230 061.02	0231 061.27
201 → 300	0230 062.03	0231 062.20
301 → 400	0230 063.04	0231 063.21
401 → 500	0230 064.05	0231 064.22
501 → 600	0230 065.06	0231 065.23
601 → 700	0230 066.07	0231 066.24
701 → 800	0230 067.00	0231 067.25
801 → 900	0230 068.11	0231 068.06
901 → 1000	0230 069.12	0231 069.07
1001 → ...	0230 070.17*	0231 070.04*

* Reference identical for each group of numbers
-on request indicate marking.

Ex: 0230 070.17 : 1001 to 1100

Vertical marking of symbols

Vertical marking
Repeated identical symbols



	RC55	RC510
100 x A	0230 180.03	0231 180.20
100 x B	0230 181.20	0231 181.15
100 x C	0230 182.21	0231 182.16
100 x D	0230 183.22	0231 183.17
100 x E	0230 184.23	0231 184.10
100 x F	0230 185.24	0231 185.11
100 x G	0230 186.25	0231 186.12
100 x H	0230 187.26	0231 187.13
100 x I	0230 188.07	0231 188.24
100 x J	0230 189.00	0231 189.25
100 x K	0230 190.05	0231 190.22
100 x L	0230 191.22	0231 191.17
100 x M	0230 192.23	0231 192.10
100 x N	0230 193.24	0231 193.11
100 x O	0230 194.25	0231 194.12
100 x P	0230 195.26	0231 195.13
100 x Q	0230 196.27	0231 196.14
100 x R	0230 197.20	0231 197.15
100 x S	0230 198.01	0231 198.26
100 x T	0230 199.02	0231 199.27
100 x U	0230 200.27	0231 200.14
100 x V	0230 201.14	0231 201.01
100 x W	0230 202.15	0231 202.02
100 x X	0230 203.16	0231 203.03
100 x Y	0230 204.17	0231 204.04
100 x Z	0230 205.10	0231 205.05

Other marking methods are possible: consult us or refer to "Product guide" catalog.

Index



Summary

F1 - Numerical Index 226

F2 - Alphabetical Index 232

Numerical index

Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page
0007 865.26	220	0021 454.17	33	0021 621.16	101	0026 106.10	83	0026 609.00	65	0026 794.11	17
0008 520.01	221	0021 455.10	33	0021 622.17	101	0026 107.11	83	0026 610.24	65	0026 795.12	17
0008 521.26	221	0021 456.11	33	0021 623.10	101	0026 108.22	82	0026 611.11	65	0026 796.13	17
0020 351.02	160	0021 457.12	33	0021 624.11	101	0026 109.23	82	0026 612.12	65	0026 797.14	17
0020 352.03	160	0021 458.23	33	0021 625.12	101	0026 110.17	82	0026 613.13	65	0026 846.15	114
0020 353.04	160	0021 459.24	33	0021 626.13	101	0026 111.04	82	0026 614.14	65	0026 847.16	114
0020 354.05	160	0021 460.21	33	0021 627.14	101	0026 112.05	82	0026 615.15	65	0026 848.27	114
0020 911.14	166	0021 461.16	33	0021 634.13	101	0026 113.06	82	0026 616.16	65	0026 849.20	114
0020 915.10	172	0021 462.17	33	0021 635.14	101	0026 114.07	83	0026 617.17	65	0026 850.25	114
0020 917.12	163	0021 463.10	33	0021 636.15	101	0026 115.00	83	0026 618.20	66	0026 851.12	114
0020 918.23	163	0021 464.11	33	0021 637.16	101	0026 116.01	83	0026 619.21	66	0026 852.13	62
0020 919.24	163	0021 465.12	33	0021 638.27	101	0026 117.02	83	0026 620.26	66	0026 853.14	62
0020 920.21	163	0021 478.27	51	0021 639.20	51	0026 118.13	83	0026 621.13	66	0026 854.15	62
0020 921.16	162	0021 479.20	51	0021 640.05	51	0026 119.14	102	0026 622.14	66	0026 855.16	62
0020 922.17	162	0021 480.16	51	0021 641.22	102	0026 120.11	102	0026 623.15	66	0026 856.17	62
0020 923.10	162	0021 481.03	51	0021 642.23	102	0026 121.06	102	0026 624.16	66	0026 857.10	62
0020 924.11	162	0021 482.04	51	0021 643.24	102	0026 122.07	102	0026 625.17	66	0026 858.21	122
0020 927.14	173	0021 483.05	51	0021 644.25	102	0026 123.00	102	0026 626.10	66	0026 859.22	122
0020 928.25	174	0021 484.06	51	0021 645.26	102	0026 124.01	102	0026 627.11	66	0026 860.27	122
0020 929.26	175	0021 485.07	51	0021 646.27	102	0026 125.02	83	0026 628.22	66	0026 861.14	122
0020 930.23	176	0021 486.00	51	0021 647.20	102	0026 126.03	83	0026 629.23	66	0026 862.15	122
0020 931.10	177	0021 487.01	51	0021 648.01	102	0026 127.04	83	0026 630.20	66	0026 863.16	122
0021 020.13	75, 152	0021 488.12	51	0021 649.02	102	0026 128.15	83	0026 631.15	66	0026 864.17	122
0021 021.00	35, 50, 90, 96, 158	0021 489.13	51	0021 650.07	102	0026 129.16	83	0026 632.16	66	0026 865.10	122
0021 022.01	152	0021 496.02	46	0021 651.24	102	0026 130.13	83	0026 633.17	66	0026 866.11	122
0021 023.02	158	0021 497.03	46	0021 652.25	102	0026 131.00	83	0026 634.10	66	0026 867.12	122
0021 024.03	152	0021 498.14	46	0021 653.26	102	0026 168.25	120	0026 635.11	66	0026 868.23	122
0021 025.04	155	0021 499.15	46	0021 654.27	102	0026 169.26	120	0026 636.12	61	0026 869.24	122
0021 026.05	152	0021 500.22	46	0021 655.20	102	0026 170.23	120	0026 637.13	61	0026 870.21	70, 122
0021 027.06	155	0021 501.17	46	0021 656.21	102	0026 171.10	120	0026 638.24	61	0026 871.16	70, 122
0021 032.03	153	0021 502.10	46	0021 657.22	102	0026 172.11	120	0026 639.25	61	0026 872.17	70, 122
0021 033.04	155	0021 503.11	46	0021 880.17	58	0026 173.12	120	0026 640.02	61	0026 873.10	70, 122
0021 034.05	153	0021 504.12	46	0021 881.04	58	0026 174.13	120	0026 641.27	61	0026 874.11	70, 122
0021 035.06	155	0021 505.13	46	0021 882.05	58	0026 175.14	120	0026 642.20	61	0026 875.12	70, 122
0021 041.14	156	0021 506.14	46	0021 883.06	58	0026 176.15	120	0026 643.21	61	0026 876.13	122
0021 043.16	156	0021 507.15	46	0021 884.07	58	0026 177.16	120	0026 644.22	61	0026 877.14	122
0021 048.23	153	0021 508.26	47	0021 885.00	58	0026 178.27	120	0026 645.23	61	0026 878.25	122
0021 049.24	156	0021 509.27	47	0021 886.01	58	0026 179.20	120	0026 646.24	61	0026 879.26	122
0021 050.21	153	0021 510.13	47	0021 887.02	58	0026 180.00	121	0026 647.25	61	0026 880.14	122
0021 051.16	156	0021 511.08	47	0021 888.13	58	0026 181.01	121	0026 648.06	61	0026 881.01	107
0021 052.17	154	0021 512.01	47	0021 889.14	58	0026 188.12	121	0026 649.07	61	0026 888.10	107
0021 053.10	157	0021 513.02	47	0021 890.11	58	0026 189.13	121	0026 650.04	61	0026 889.11	107
0021 054.11	154	0021 514.03	47	0021 891.06	58	0026 190.10	121	0026 651.21	61	0026 890.16	107
0021 055.12	157	0021 515.04	47	0021 892.07	58	0026 191.05	121	0026 652.22	61	0026 891.03	107
0021 056.13	160	0021 516.05	47	0021 893.00	58	0026 192.06	121	0026 653.23	61	0026 892.04	107
0021 057.14	160	0021 517.06	47	0021 894.01	58	0026 193.07	121	0026 654.24	62	0026 893.05	107
0021 058.25	160	0021 518.17	47	0021 895.02	58	0026 194.00	121	0026 655.25	62	0027 388.23	39
0021 059.26	160	0021 519.10	47	0021 896.03	58	0026 195.01	121	0026 656.26	62	0027 389.24	39
0021 060.23	161	0021 520.15	47	0021 897.04	58	0026 196.02	121	0026 657.27	62	0027 390.21	39
0021 061.10	161	0021 521.02	47	0021 898.15	55	0026 197.03	121	0026 658.00	62	0027 391.16	39
0021 062.11	161	0021 522.03	47	0021 899.16	55	0026 198.14	121	0026 659.01	61	0027 392.17	39
0021 063.12	161	0021 523.04	47	0021 900.23	55	0026 199.15	121	0026 660.06	62	0027 393.10	40
0021 073.14	165	0021 524.05	47	0021 901.10	55	0026 200.02	121	0026 661.23	62	0027 394.11	40
0021 074.15	167	0021 525.06	47	0021 902.11	55	0026 201.27	121	0026 662.24	62	0027 395.12	40
0021 075.16	168	0021 526.07	72, 73, 75	0021 903.12	55	0026 202.20	121	0026 663.25	62	0027 396.13	40
0021 080.10	170	0021 527.00	72, 73, 75	0021 904.13	55	0026 203.21	121	0026 664.26	62	0027 397.14	40
0021 082.06	171	0021 528.11	72, 73, 75	0021 905.14	55	0026 204.22	121	0026 665.27	62	0027 398.25	40
0021 083.07	169	0021 529.12	72, 73, 75	0021 906.15	55	0026 205.23	121	0026 666.20	62	0027 399.26	40
0021 084.00	164	0021 530.17	72, 73, 75	0021 907.16	55	0026 206.24	121	0026 667.21	62	0027 400.24	40
0021 093.01	159	0021 531.04	72, 73, 75	0021 908.27	55	0026 207.25	121	0026 668.02	62	0027 401.11	40
0021 094.02	159	0021 532.05	74	0021 909.20	55	0026 208.06	121	0026 669.03	62	0027 402.12	40
0021 095.03	158	0021 533.06	74	0021 910.14	55	0026 209.07	87	0026 670.00	62	0027 403.13	40
0021 096.04	159	0021 534.07	74	0021 911.01	55	0026 210.23	87, 89	0026 671.25	62	0027 404.14	40
0021 097.05	158	0021 535.00	74	0021 912.02	55	0026 211.10	87, 89	0026 672.26	63	0027 405.15	40
0021 098.16	159	0021 536.01	74	0021 913.03	55	0026 212.11	87, 89	0026 673.27	63	0027 406.16	30, 34
0021 388.25	39	0021 537.02	74	0021 914.04	55	0026 213.12	87, 89	0026 674.20	63	0027 407.17	30, 34
0021 389.26	39	0021 538.13	73	0021 915.05	55	0026 214.13	87, 89	0026 675.21	63	0027 408.20	30, 34
0021 390.23	39	0021 539.14	73	0021 916.06	56	0026 215.14	87, 89	0026 676.22	63	0027 409.21	30, 34
0021 391.10	39	0021 540.21	73	0021 917.07	56	0026 444.12	72	0026 677.23	63	0027 410.15	30, 34
0021 392.11	39	0021 541.16	73	0021 918.10	56	0026 445.13	72	0026 678.04	24, 25	0027 411.02	30, 34
0021 393.12	39	0021 542.17	73	0021 919.11	56	0026 446.14	72	0026 679.05	24, 25	0027 412.03	30, 31, 33, 35
0021 394.13	40	0021 543.10	73	0021 920.16	56	0026 447.15	72	0026 680.23	24, 25	0027 413.04	30, 31, 33, 35
0021 395.14	40	0021 544.11	74	0021 921.03	56	0026 448.26	72	0026 681.10	24, 25	0027 414.05	30, 31, 33, 35
0021 396.15	40	0021 545.12	74	0021 922.04	56	0026 449.27	72	0026 682.11	24, 25	0027 415.06	30, 31, 33, 35
0021 397.16	40	0021 546.13	74	0021 923.05	56	0026 450.24	72	0026 683.12	24, 25	0027 416.07	30, 31, 33, 35
0021 398.27	40	0021 547.14	74	0021 924.06	56	0026 451.11	72	0026 684.13	24, 25	0027 417.00	30, 31, 33, 35
0021 399.20	40	0021 548.25	74	0021 925.07	56	0026 452.12	72	0026 685.14	24, 25	0027 418.11	31
0021 400.26	40	0021 549.26	74	0021 926.00	56	0026 453.13	72	0026 686.15	24, 25	0027 419.12	31
0021 401.13	40	0021 550.23	77	0021 927.01	56	0026 454.14	72	0026 687.16	24, 25	0027 420.17	31
0021 402.14	40	0021 551.10	77	0026 042.12	88	0026 455.15	72	0026 688.27	24, 25	0027 421.04	31
0021 403.15	40	0021 552.11	77	0026 043.13	88	0026 510.10	38	0026 689.20	24, 25	0027 422.05	31
0021 404.16	40	0021 553.12	77	0026 044.14	88	0026 511.05	38	0026 720.22	22, 23, 24	0027 423.06	31
0021 405.17	40	0021 554.									

Numerical index

Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page
0027 485.05	51	0027 646.25	102	0028 113.10	82	0028 562.22	88	0028 759.17	113	0029 256.00	17, 18
0027 486.06	51	0027 647.26	102	0028 114.11	83	0028 563.23	88	0028 760.14	113	0029 257.01	17, 18
0027 487.07	51	0027 648.07	102	0028 115.12	83	0028 564.24	88	0028 761.01	113	0029 258.12	17, 18
0027 488.10	51	0027 649.00	102	0028 116.13	83	0028 565.25	88	0028 762.02	113	0029 259.13	17, 18
0027 489.11	51	0027 650.05	102	0028 117.14	83	0028 566.26	88	0028 763.03	113	0029 260.10	17
0027 496.00	46	0027 651.22	102	0028 118.25	83	0028 567.27	88	0028 764.04	113	0029 261.05	17
0027 497.01	46	0027 652.23	102	0028 119.26	83	0028 568.00	88	0028 765.05	113	0029 262.06	17
0027 498.12	46	0027 653.24	102	0028 120.23	83	0028 569.01	88	0028 766.06	113	0029 263.07	17
0027 499.13	46	0027 654.25	102	0028 121.10	83	0028 570.06	87	0028 767.07	113	0029 264.00	17
0027 500.20	46	0027 655.26	102	0028 122.11	83	0028 571.23	87	0028 768.10	107	0029 265.01	17
0027 501.15	46	0027 656.27	102	0028 123.12	83	0028 572.24	87	0028 769.11	107	0029 266.02	17
0027 502.16	46	0027 657.20	102	0028 124.13	83	0028 573.25	87	0028 770.16	107	0029 267.03	17
0027 503.17	46	0027 880.15	58	0028 125.14	83	0028 574.26	87	0028 771.03	107	0029 268.14	17
0027 504.10	46	0027 881.02	58	0028 126.15	83	0028 575.27	87	0028 772.04	107	0029 269.15	17
0027 505.11	46	0027 882.03	58	0028 127.16	83	0028 576.07	65	0028 773.05	107	0029 270.12	17
0027 506.12	46	0027 883.04	58	0028 128.27	83	0028 577.00	65	0028 774.06	107, 109	0029 271.07	17
0027 507.13	46	0027 884.05	58	0028 129.20	83	0028 578.01	65	0028 775.07	107, 109	0029 272.00	18
0027 508.24	47	0027 885.06	58	0028 130.25	83	0028 579.12	65	0028 776.00	107, 109	0029 273.01	18
0027 509.25	47	0027 886.07	58	0028 131.12	83	0028 580.06	65	0028 777.01	107, 109	0029 274.02	18
0027 510.11	47	0027 887.00	58	0028 132.13	90	0028 581.23	65	0028 778.12	107, 109	0029 275.03	18
0027 511.06	47	0027 888.11	58	0028 133.14	90	0028 582.24	65	0028 779.13	107, 109	0029 276.04	18
0027 512.07	47	0027 889.12	58	0028 134.15	90	0028 583.25	65	0028 780.01	108	0029 277.05	18
0027 513.00	47	0027 890.17	58	0028 135.16	90	0028 584.26	65	0028 781.26	108	0029 308.15	19, 20
0027 514.01	47	0027 891.04	58	0028 136.17	90	0028 585.27	65	0028 782.27	108	0029 309.16	19, 20
0027 515.02	47	0027 892.05	58	0028 137.10	90	0028 586.20	65	0028 783.20	108	0029 310.02	19, 20
0027 516.03	47	0027 893.06	58	0028 138.21	90	0028 587.21	65	0028 784.21	108	0029 311.27	19, 20
0027 517.04	47	0027 894.07	58	0028 139.22	90	0028 588.02	66	0028 785.22	108	0029 312.20	19, 20
0027 518.15	47	0027 895.00	58	0028 140.07	90	0028 589.03	66	0028 786.23	108	0029 313.21	19, 20
0027 519.16	47	0027 896.01	58	0028 141.24	90	0028 590.00	66	0028 787.24	108	0029 314.22	19, 20
0027 520.13	47	0027 897.02	58	0028 142.25	90	0028 591.01	66	0028 788.05	108	0029 315.23	19, 20
0027 521.00	47	0027 898.13	55	0028 143.26	90	0028 592.26	66	0028 789.06	108	0029 316.24	19, 20
0027 522.01	47	0027 899.14	55	0028 144.27	90	0028 593.27	66	0028 790.03	108	0029 317.25	19, 20
0027 523.02	47	0027 900.21	55	0028 145.20	90	0028 594.20	66	0028 791.20	108	0029 318.06	19, 20
0027 524.03	47	0027 901.16	55	0028 146.21	90	0028 595.21	66	0028 792.21	17	0029 319.07	19, 20
0027 525.04	47	0027 902.17	55	0028 147.22	90	0028 596.22	66	0028 793.22	17	0029 320.04	19
0027 526.05	72, 73, 75	0027 903.10	55	0028 148.03	90	0028 597.23	66	0028 794.23	17	0029 321.21	19
0027 527.06	72, 73, 75	0027 904.11	55	0028 149.04	90	0028 598.04	66	0028 795.24	17	0029 322.22	19
0027 528.17	72, 73, 75	0027 905.12	55	0028 150.05	120	0028 599.05	66	0028 796.25	17	0029 323.23	19
0027 529.10	72, 73, 75	0027 906.13	55	0028 151.06	120	0028 600.06	66	0028 797.26	17	0029 324.24	19
0027 530.15	72, 73, 75	0027 907.14	55	0028 152.07	120	0028 601.07	66	0028 798.27	114	0029 325.25	19, 20
0027 531.02	72, 73, 75	0027 908.25	55	0028 153.08	120	0028 602.08	66	0028 799.28	114	0029 326.26	19, 20
0027 532.03	74	0027 909.26	55	0028 154.09	120	0028 603.09	66	0028 800.29	114	0029 327.27	19
0027 533.04	74	0027 910.12	55	0028 155.10	120	0028 604.10	66	0028 801.30	114	0029 328.00	19
0027 534.05	74	0027 911.07	55	0028 156.11	120	0028 605.11	66	0028 802.31	114	0029 329.01	19
0027 535.06	74	0027 912.00	55	0028 157.12	120	0028 606.12	61	0028 803.32	114	0029 330.06	19
0027 536.07	74	0027 913.01	55	0028 158.13	120	0028 607.13	61	0028 804.33	62	0029 331.23	19
0027 537.00	74	0027 914.02	55	0028 159.14	120	0028 608.14	61	0028 805.34	62	0029 332.24	20
0027 538.11	73	0027 915.03	55	0028 160.15	120	0028 609.15	61	0028 806.35	62	0029 333.25	20
0027 539.12	73	0027 916.04	56	0028 161.16	120	0028 610.16	61	0028 807.36	62	0029 334.26	20
0027 540.27	73	0027 917.05	56	0028 162.17	121	0028 611.17	61	0028 808.37	62	0029 335.27	20
0027 541.14	73	0027 918.16	56	0028 163.18	121	0028 612.18	61	0028 809.38	62	0029 336.20	20
0027 542.15	73	0027 919.17	56	0028 164.19	121	0028 613.19	61	0028 810.39	62	0029 337.21	20
0027 543.16	73	0027 920.14	56	0028 165.20	121	0028 614.20	61	0028 811.40	62	0029 338.02	20
0027 544.17	74	0027 921.01	56	0028 166.21	121	0028 615.01	61	0028 812.41	62	0029 339.03	20
0027 545.10	74	0027 922.02	56	0028 167.12	121	0028 616.02	61	0028 813.42	62	0029 340.10	20
0027 546.11	74	0027 923.03	56	0028 168.13	121	0028 617.03	61	0028 814.43	62	0029 341.05	20
0027 547.12	74	0027 924.04	56	0028 169.14	121	0028 618.04	61	0028 815.44	62	0029 342.06	20
0027 548.23	74	0027 925.05	56	0028 170.15	121	0028 619.05	61	0028 816.45	62	0029 343.07	20
0027 549.24	74	0027 926.06	56	0028 171.16	121	0028 620.16	61	0028 817.46	62	0029 344.08	123
0027 550.21	77	0027 927.07	56	0028 172.17	121	0028 621.17	61	0028 818.47	62	0029 345.14	123
0027 551.16	77	0028 024.12	105	0028 173.18	121	0028 622.18	61	0028 819.48	62	0029 346.15	123
0027 552.17	77	0028 025.13	105	0028 174.19	121	0028 623.19	61	0028 820.49	62	0029 347.16	123
0027 553.10	77	0028 026.14	105	0028 175.20	121	0028 624.20	62	0028 821.50	62	0029 348.17	123
0027 554.11	77	0028 027.15	105	0028 176.21	121	0028 625.21	62	0028 822.51	70, 122	0029 349.18	123
0027 555.12	77	0028 028.26	105	0028 177.22	121	0028 626.22	62	0028 823.52	70, 122	0029 350.19	123
0027 556.13	78	0028 029.27	105	0028 178.23	121	0028 627.23	62	0028 824.53	70, 122	0029 351.12	123
0027 557.14	78	0028 030.24	105	0028 179.24	121	0028 628.24	62	0028 825.54	70, 122	0029 352.13	123
0027 558.25	78	0028 031.11	105	0028 180.25	121	0028 629.25	62	0028 826.55	70, 122	0029 353.24	123
0027 559.26	78	0028 032.12	105	0028 181.26	121	0028 630.26	62	0028 827.56	70, 122	0029 354.25	123
0027 560.23	78	0028 033.13	105	0028 182.27	121	0028 631.27	62	0028 828.57	70, 122	0029 355.26	123
0027 561.10	78	0028 034.14	105	0028 183.28	121	0028 632.28	62	0028 829.58	70, 122	0029 356.27	123
0027 562.11	78	0028 035.15	105	0028 184.29	121	0028 633.29	62	0028 830.59	70, 122	0029 357.28	123
0027 563.12	78	0028 036.24	88	0028 185.30	87, 89	0028 634.30	62	0028 831.60	107	0029 358.29	123
0027 564.13	78	0028 037.25	88	0028 186.31	87, 89	0028 635.31	62	0028 832.61	107	0029 359.30	123
0027 565.14	78	0028 038.26	88	0028 187.32	87, 89	0028 636.32	62	0028 833.62	107	0029 360.31	123
0027 566.15	78	0028 039.27	88	0028 188.33	87, 89	0028 637.33	62	0028 834.63	107	0029 361.32	123
0027 567.16	78	0028 040.28	88	0028 189.34	87, 89	0028 638.34	62	0028 835.64	107	0029 362.33	123
0027 568.27	77	0028 041.21	88	0028 190.35	87, 89	0028 639.35	62	0028 836.65	107	0029 363.34	123
0027 569.20	77	0028 042.02	88	0028 191.36	87, 89	0028 640.36	62	0028 837.66	107	0029 364.35	123
0027 570.25	77	0028 043.03	89	0028 192.37	72	0028 641.37	62	0028 838.67	107	0029 365.36	123
0027 571.12	77	0028 044.04	89	0028 193.38	72	0028 642.38	63	0028 839.68	107	0029 366.37	123
0027 572.13	77	0028 045.05	89	0028 194.39	72	0028 643.39	63	0028 840.69	107	0029 367.38	123
0027 573.14	77	0028 046.06	89	0028 195.40	72	0028 644.40	63	0028 841.70	41, 42,		

Numerical index

Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page
0029 609.13	110	0029 882.15	99	0032 003.12	35, 50, 90, 150	0034 321.16	19	0034 714.10	47	0034 905.11	98
0029 610.07	110	0029 883.16	99	0032 004.13	150	0034 322.17	19	0034 715.11	47	0034 906.12	33
0029 611.24	110	0029 884.17	99	0032 006.15	194	0034 323.10	19	0034 716.12	47	0034 907.13	33
0029 612.25	110	0029 885.10	99	0032 007.16	191	0034 324.11	19	0034 717.13	47	0034 908.24	33
0029 613.26	110	0029 886.11	99	0032 008.27	188	0034 325.12	19	0034 718.24	47	0034 909.25	33
0029 614.27	110	0029 887.12	99	0032 014.04	193	0034 326.13	19	0034 719.25	47	0034 910.11	33
0029 615.28	110	0029 888.23	99	0032 025.07	192	0034 327.14	19	0034 720.14	47	0034 911.06	33
0029 616.21	110	0029 889.24	99	0032 028.12	195	0034 328.25	19	0034 721.15	47	0034 924.03	38
0029 617.22	110	0029 890.21	99	0032 029.13	197	0034 329.26	19	0034 722.16	47	0034 925.04	38
0029 618.03	110	0029 891.16	99	0032 034.00	196	0034 330.23	19	0034 729.27	47	0034 926.05	38
0029 619.04	110	0029 892.17	99	0032 035.01	189	0034 331.10	19	0034 730.24	47	0034 927.06	38
0029 620.01	110	0029 893.10	99	0032 036.02	190	0034 332.11	20	0034 731.11	47	0034 928.17	38
0029 621.26	110	0029 894.11	98	0032 051.11	186	0034 333.12	20	0034 732.12	47	0034 929.10	38
0029 622.27	110	0029 895.12	98	0032 052.12	186	0034 334.13	20	0034 733.13	47	0034 930.15	38
0029 623.20	110	0029 896.13	98	0032 053.13	186	0034 335.14	20	0034 734.14	47	0034 931.02	38
0029 624.21	110	0029 897.14	98	0032 054.14	186	0034 336.15	20	0034 735.15	47	0034 932.03	38
0029 625.22	110	0029 898.25	98	0032 120.17	175, 178	0034 337.16	20	0034 736.16	47	0034 933.04	38
0029 660.11	37	0029 899.26	98	0032 121.04	35, 50, 184	0034 338.27	20	0034 737.17	47	0034 934.05	38
0029 661.06	37	0029 900.03	98	0032 122.05	178	0034 339.20	20	0034 738.20	47	0034 935.06	38
0029 662.07	37	0029 901.20	98	0032 123.06	184	0034 340.05	20	0034 739.21	47	0034 936.07	37
0029 663.00	37	0029 902.21	98	0032 124.07	178	0034 341.12	20	0034 740.06	47	0034 937.00	37
0029 664.01	37	0029 903.22	98	0032 125.00	181	0034 342.23	20	0034 741.23	47	0034 938.11	37
0029 665.02	37	0029 904.23	98	0032 126.01	178	0034 343.24	20	0034 742.24	47	0034 939.12	37
0029 666.03	74	0029 905.24	98	0032 127.02	181	0034 344.25	123	0034 743.25	93, 94	0034 940.27	37
0029 667.04	74	0029 906.25	33	0032 132.07	179	0034 531.01	123	0034 744.26	93	0034 941.14	37
0029 668.15	74	0029 907.26	33	0032 133.00	181	0034 532.02	123	0034 745.27	93	0034 942.15	70
0029 669.16	74	0029 908.07	33	0032 134.01	179	0034 533.03	123	0034 746.20	93	0034 943.16	70
0029 670.13	74	0029 909.00	33	0032 135.02	181	0034 534.04	123	0034 747.21	93	0034 944.17	70
0029 671.00	74	0029 910.21	33	0032 141.10	182	0034 535.05	123	0034 748.02	93	0034 945.10	70
0029 702.00	104	0029 911.11	33	0032 143.12	182	0034 536.06	123	0034 749.03	93	0034 946.11	70
0029 703.01	104	0029 912.16	38	0032 148.27	179	0034 537.07	123	0034 750.00	94	0034 947.12	70
0029 704.02	104	0029 925.17	38	0032 149.20	182	0034 538.10	123	0034 751.25	94	0034 948.23	70
0029 705.03	104	0029 926.10	38	0032 150.25	179	0034 539.11	123	0034 752.26	94	0034 949.24	70
0029 706.04	104	0029 927.11	38	0032 151.12	182	0034 540.26	123	0034 753.27	94	0034 950.21	70
0029 707.05	104	0029 928.22	38	0032 152.13	180	0034 541.13	123	0034 754.20	94	0034 951.16	70
0029 714.23	47	0029 929.23	38	0032 153.14	183	0034 542.14	123	0034 755.21	94	0034 952.17	70
0029 715.24	47	0029 930.20	38	0032 154.15	180	0034 543.15	123	0034 756.22	92	0034 953.10	70
0029 716.25	47	0029 931.15	38	0032 155.16	183	0034 544.16	123	0034 757.23	92	0034 960.23	51
0029 717.26	47	0029 932.16	38	0032 156.17	186	0034 545.17	123	0034 758.04	92	0034 961.10	51
0029 718.07	47	0029 933.17	38	0032 157.10	186	0034 546.10	123	0034 759.05	94	0034 962.11	46
0029 719.00	47	0029 934.10	38	0032 158.21	186	0034 547.11	123	0034 760.02	91	0034 963.12	51
0029 726.27	92	0029 935.11	38	0032 159.22	186	0034 548.22	123	0034 761.27	92	0034 964.13	51
0029 727.20	92	0029 936.12	37	0032 160.27	187	0034 549.23	123	0034 762.20	92	0034 965.14	51
0029 728.01	92	0029 937.13	37	0032 161.14	187	0034 550.20	123	0034 763.21	92	0034 966.15	55
0029 729.02	92	0029 938.24	37	0032 162.15	187	0034 551.15	123	0034 764.22	92	0034 967.16	55
0029 730.07	92	0029 939.25	37	0032 163.16	187	0034 552.16	123	0034 765.23	92	0034 968.27	55
0029 731.24	92	0029 940.02	37	0032 193.05	185	0034 553.17	123	0034 766.24	92	0034 969.20	55
0029 732.25	92	0029 941.27	37	0032 194.06	185	0034 554.10	81	0034 767.25	92	0034 970.25	55
0029 733.26	92	0029 942.20	70	0032 195.07	184	0034 555.11	81	0034 792.17	94	0034 971.12	55
0029 734.27	92	0029 943.21	70	0032 196.00	185	0034 556.12	81	0034 793.10	94	0034 978.21	46
0029 735.28	92	0029 944.22	70	0032 197.01	184	0034 557.13	81	0034 794.11	94	0034 979.22	46
0029 736.21	92	0029 945.23	70	0032 198.12	185	0034 558.24	81	0034 795.12	94	0034 980.10	46
0029 737.22	92	0029 946.24	70	0034 086.07	116, 118	0034 559.25	81	0034 796.13	94	0034 981.05	46
0029 738.03	93, 94	0029 947.25	70	0034 087.00	116, 118	0034 560.22	81	0034 797.14	94	0034 982.06	46
0029 739.04	93, 94	0029 948.06	70	0034 088.11	116, 118	0034 561.17	81	0034 798.25	93	0034 983.07	46
0029 740.11	93, 94	0029 949.07	70	0034 089.12	116, 118	0034 562.10	81	0034 799.26	93	0034 990.12	30, 34
0029 741.06	93, 94	0029 950.04	70	0034 090.17	116, 118	0034 563.11	81	0034 800.24	93	0034 991.07	30, 31, 33, 35
0029 742.07	93, 94	0029 951.21	70	0034 091.04	116, 118	0034 564.12	81	0034 801.11	93	0034 992.00	31
0029 743.00	93, 94	0029 952.22	70	0034 092.05	116, 118	0034 565.13	81	0034 802.12	93	0034 993.01	30, 31, 32, 35, 36
0029 744.01	93	0029 953.23	70	0034 093.06	116, 118	0034 566.14	48	0034 803.13	93	0034 994.02	76
0029 745.02	93	0029 960.06	51	0034 094.07	116, 118	0034 567.15	48	0034 804.14	94	0034 996.04	72, 73, 75
0029 746.03	93	0029 961.23	51	0034 095.08	116, 118	0034 568.26	48	0034 805.15	94	0034 998.06	103
0029 747.04	93	0029 962.24	51	0034 096.01	116, 118	0034 569.27	48	0034 806.16	94	0034 999.07	103
0029 748.15	93	0029 963.25	51	0034 097.02	116, 118	0034 570.24	48	0034 807.17	94	0034 008.23	103
0029 749.16	93	0029 964.26	51	0034 218.27	15, 16	0034 571.11	48	0034 808.20	94	0034 009.24	103
0029 750.13	94	0029 965.27	51	0034 219.20	15, 16	0034 572.12	48	0034 809.21	94	0034 010.10	103
0029 751.00	94	0029 966.20	55	0034 220.25	15, 16	0034 573.13	48	0034 810.15	95	0034 011.05	103
0029 752.01	94	0029 967.21	55	0034 221.12	15, 16	0034 574.14	48	0034 811.02	95	0034 012.06	103
0029 753.02	94	0029 968.02	55	0034 222.13	15, 16	0034 575.15	48	0034 812.03	95	0034 013.07	103
0029 754.03	94	0029 969.03	55	0034 223.14	15, 16	0034 576.16	48	0034 813.04	95	0034 014.00	103
0029 755.04	94	0029 970.00	55	0034 224.15	15	0034 577.17	48	0034 814.05	95	0034 015.01	103
0029 756.05	92	0029 971.25	55	0034 225.16	15	0034 590.11	52	0034 815.06	95	0034 016.02	103
0029 757.06	92	0029 978.04	46	0034 226.17	15	0034 591.06	52	0034 816.07	95	0034 017.03	103
0029 758.17	92	0029 979.05	46	0034 227.10	15	0034 592.07	52	0034 817.00	95	0034 024.02	103
0029 759.10	92	0029 980.23	46	0034 228.21	15	0034 593.00	52	0034 818.11	95	0034 025.03	103
0029 760.15	92	0029 981.10	46	0034 229.22	15	0034 594.01	52	0034 819.12	95	0034 026.04	103
0029 761.02	92	0029 982.11	46	0034 230.27	15	0034 595.02	52	0034 820.17	95	0034 027.05	103
0029 762.03	92	0029 983.12	46	0034 231.14	15	0034 596.03	52	0034 821.04	95	0034 028.16	103
0029 763.04	92	0029 990.25	30, 34	0034 232.15	15	0034 597.04	52	0034 846.15	116, 118	0034 029.17	103
0029 764.05	92	0029 991.12	30, 31, 33, 35	0034 233.16	15	0034 598.15	52	0034 847.16	116, 118	0034 042.14	96
0029 765.06	92	0029 992.13	31	0034 234.17	15	0034 599.16	52	0034 848.27	116, 118	0034 043.15	96
0029 766.07	92	0029 993.14	30, 31, 32, 35, 36	0034 235.10	15	0034 600.03	52	0034 849.20	116, 118	0034 044.16	96
0029 767.00	92	0029 994.15	46	0034 236.11	16	0034 601.20	52	0034 850.25	1		

Numerical index

Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page
0036 118.15	85	0036 543.17	75	0036 910.13	7	0037 130.16	85	0037 537.02	75	0037 899.16	12
0036 119.16	85	0036 544.10	75	0036 911.00	7	0037 131.03	85	0037 538.13	75	0037 900.23	12
0036 120.13	86	0036 545.11	75	0036 912.01	7	0037 162.12	21	0037 539.14	75	0037 901.10	12
0036 121.00	86	0036 546.12	68	0036 913.02	68	0037 163.13	21	0037 540.21	75	0037 902.11	12
0036 122.01	86	0036 547.13	68	0036 914.03	68	0037 164.14	21	0037 541.16	75	0037 903.12	12
0036 123.02	86	0036 548.24	68	0036 915.04	68	0037 165.15	21	0037 542.17	75	0037 904.13	12
0036 124.03	86	0036 549.25	68	0036 916.05	68	0037 166.16	21	0037 543.10	75	0037 905.14	7
0036 125.04	86	0036 550.22	68	0036 917.06	68	0037 167.17	21	0037 544.11	75	0037 906.15	7
0036 126.05	85	0036 551.17	68	0036 918.17	8	0037 192.01	111, 112	0037 545.12	75	0037 907.16	7
0036 127.06	85	0036 556.14	120	0036 919.10	8	0037 193.02	111, 112	0037 546.13	68	0037 908.27	7
0036 128.17	85	0036 564.14	68	0036 920.15	8	0037 194.03	111, 112	0037 547.14	68	0037 909.20	7
0036 129.10	85	0036 565.15	68	0036 921.02	8	0037 195.04	111, 112	0037 548.25	68	0037 910.14	7
0036 130.15	85	0036 566.16	68	0036 922.03	8	0037 196.05	111, 112	0037 549.26	68	0037 911.01	7
0036 131.02	85	0036 567.17	68	0036 923.04	8	0037 197.06	111, 112	0037 550.23	68	0037 912.02	7
0036 162.11	21	0036 568.20	68	0036 924.05	8	0037 222.16	109	0037 551.10	68	0037 913.03	7
0036 163.12	21	0036 569.21	68	0036 925.06	8	0037 223.17	109	0037 552.11	90	0037 914.04	7
0036 164.13	21	0036 570.26	68	0036 926.07	8	0037 224.10	109	0037 553.12	90	0037 915.05	7
0036 165.14	21	0036 571.13	68	0036 927.00	8	0037 225.11	109	0037 554.13	120	0037 916.06	7
0036 166.15	21	0036 572.14	68	0036 928.11	8	0037 226.12	109	0037 559.20	105	0037 917.07	8
0036 167.16	21	0036 573.15	68	0036 929.12	8	0037 227.13	109	0037 560.25	105	0037 918.10	8
0036 222.15	109	0036 574.16	69	0036 930.17	8	0037 228.24	109	0037 564.15	68	0037 919.11	8
0036 223.16	109	0036 575.17	69	0036 931.04	8	0037 229.25	109	0037 565.16	68	0037 920.16	8
0036 224.17	109	0036 576.10	69	0036 932.05	8	0037 230.22	109	0037 566.17	68	0037 921.03	8
0036 225.10	109	0036 577.11	69	0036 933.06	8	0037 231.17	109	0037 567.10	68	0037 922.04	8
0036 226.11	109	0036 578.22	69	0036 934.07	8	0037 232.10	109	0037 568.21	68	0037 923.05	8
0036 227.12	109	0036 579.23	69	0036 935.00	10	0037 233.11	109	0037 569.22	68	0037 924.06	8
0036 228.23	109	0036 580.11	69	0036 936.01	10	0037 234.12	111, 112	0037 570.27	68	0037 925.07	8
0036 229.24	109	0036 581.06	69	0036 937.02	10	0037 235.13	111, 112	0037 571.14	68	0037 926.00	8
0036 230.21	109	0036 582.07	69	0036 938.13	10	0037 236.14	111, 112	0037 572.15	68	0037 927.01	8
0036 231.16	109	0036 583.00	69	0036 939.14	10	0037 237.15	111, 112	0037 573.16	68	0037 928.12	8
0036 232.17	109	0036 584.01	69	0036 940.21	10	0037 238.26	111, 112	0037 574.17	69	0037 929.13	8
0036 233.10	109	0036 585.02	69	0036 941.16	69	0037 239.27	111, 112	0037 575.10	69	0037 930.10	8
0036 330.25	22	0036 586.03	68	0036 942.17	10	0037 240.04	111, 112	0037 576.11	69	0037 931.05	8
0036 331.12	22	0036 587.04	68	0036 943.10	10	0037 241.21	111, 112	0037 577.12	69	0037 932.06	8
0036 332.13	22	0036 588.15	68	0036 944.11	10	0037 242.22	111, 112	0037 578.23	69	0037 933.07	8
0036 333.14	22	0036 589.16	68	0036 945.12	10	0037 243.23	111, 112	0037 579.24	69	0037 934.00	8
0036 334.15	22	0036 590.13	68	0036 946.13	10	0037 244.24	111, 112	0037 580.12	69	0037 935.01	10
0036 335.16	22	0036 591.00	68	0036 949.26	39	0037 245.25	111, 112	0037 581.07	69	0037 936.02	10
0036 336.17	50	0036 602.23	77	0036 950.23	39	0037 330.26	22	0037 582.00	69	0037 937.03	10
0036 337.10	50	0036 603.24	77	0036 951.10	39	0037 331.13	22	0037 583.01	69	0037 938.14	10
0036 338.21	50	0036 604.25	77	0036 952.11	39	0037 332.14	22	0037 584.02	69	0037 939.15	10
0036 339.22	50	0036 605.26	77	0036 953.12	39	0037 333.15	22	0037 585.03	69	0037 940.22	10
0036 340.07	50	0036 606.27	77	0036 954.13	39	0037 334.16	22	0037 586.04	68	0037 941.17	10
0036 341.24	50	0036 607.20	77	0036 991.01	99	0037 335.17	22	0037 587.05	68	0037 942.10	10
0036 342.25	48	0036 608.01	75	0036 992.02	99	0037 336.10	50	0037 588.16	68	0037 943.11	10
0036 343.26	48	0036 609.02	75	0036 993.03	99	0037 337.11	50	0037 589.17	68	0037 944.12	10
0036 344.27	48	0036 610.26	75	0036 994.04	99	0037 338.22	50	0037 590.14	68	0037 945.13	10
0036 345.20	48	0036 611.13	75	0036 995.05	99	0037 339.23	50	0037 591.01	68	0037 946.14	10
0036 346.21	48	0036 612.14	75	0036 996.06	99	0037 340.00	50	0037 598.10	59	0037 949.27	39
0036 347.22	48	0036 613.15	75	0037 006.12	103	0037 341.25	50	0037 602.24	59	0037 957.03	39
0036 348.03	50	0036 614.16	63	0037 007.13	103	0037 342.26	48	0037 603.25	68	0037 958.14	39
0036 349.04	50	0036 615.17	63	0037 008.24	103	0037 343.27	48	0037 604.26	77	0037 959.12	39
0036 350.01	50	0036 616.10	63	0037 009.25	103	0037 344.20	48	0037 605.27	77	0037 953.13	39
0036 351.26	50	0036 617.11	63	0037 010.11	103	0037 345.21	48	0037 606.20	77	0037 954.14	39
0036 352.27	50	0036 618.22	63	0037 011.06	103	0037 346.22	48	0037 607.21	77	0037 991.02	99
0036 353.20	50	0036 619.23	63	0037 012.07	103	0037 347.23	48	0037 608.02	75	0037 992.03	99
0036 354.21	48	0036 620.20	68	0037 013.00	103	0037 348.04	48	0037 609.03	75	0037 993.04	99
0036 355.22	48	0036 621.15	68	0037 014.01	103	0037 349.05	50	0037 610.27	75	0037 994.05	99
0036 356.23	48	0036 622.16	120	0037 015.02	103	0037 350.02	50	0037 611.14	75	0037 995.06	99
0036 357.24	48	0036 624.10	85	0037 016.03	103	0037 351.27	50	0037 612.15	75	0037 996.07	99
0036 358.05	48	0036 625.11	85	0037 017.04	103	0037 352.20	50	0037 613.16	75	0038 014.12	76
0036 359.06	48	0036 626.12	85	0037 018.05	103	0037 353.21	48	0037 614.17	63	0038 015.13	97
0036 360.03	50	0036 627.13	85	0037 019.06	103	0037 354.22	48	0037 615.10	63	0038 016.14	97
0036 361.20	50	0036 628.24	85	0037 020.05	103	0037 355.23	48	0037 616.11	63	0038 017.15	97
0036 362.21	50	0036 629.25	85	0037 021.06	103	0037 356.24	48	0037 617.12	63	0038 018.26	97
0036 363.22	50	0036 630.22	34	0037 022.17	103	0037 357.25	48	0037 618.23	63	0038 019.27	97
0036 364.23	50	0036 631.17	34	0037 023.18	103	0037 358.06	48	0037 619.24	63	0038 020.24	76
0036 365.24	50	0036 632.10	34	0037 042.15	96	0037 359.07	48	0037 620.21	68	0038 021.11	76
0036 390.22	34	0036 633.11	34	0037 043.16	96	0037 360.04	50	0037 621.16	68	0038 022.12	76
0036 391.17	34	0036 634.12	34	0037 044.17	96	0037 361.21	50	0037 622.17	120	0038 023.13	76
0036 392.10	34	0036 635.13	34	0037 045.10	96	0037 362.22	50	0037 624.11	85	0038 024.14	76
0036 393.11	34	0036 636.14	38	0037 046.11	96	0037 363.23	50	0037 625.12	85	0038 025.15	76
0036 394.12	34	0036 637.15	38	0037 047.12	96	0037 364.24	50	0037 626.13	85	0038 026.16	76
0036 395.13	34	0036 638.26	38	0037 048.23	97	0037 365.25	50	0037 627.14	85	0038 027.17	78
0036 408.21	35	0036 639.27	38	0037 049.24	97	0037 390.23	34	0037 628.25	85	0038 028.20	78
0036 409.22	35	0036 640.04	38	0037 050.21	97	0037 391.10	34	0037 629.26	85	0038 029.21	78
0036 410.16	35	0036 641.21	38	0037 051.16	97	0037 392.11	34	0037 630.23	34	0038 030.26	78
0036 411.03	35	0036 649.22	84	0037 052.17	97	0037 393.12	34	0037 631.10	34	0038 031.13	78
0036 412.04	35	0036 850.27	84	0037 053.10	97	0037 394.13	34	0037 632.11	34	0038 036.10	13, 120
0036 413.05	34	0036 851.14	84	0037 054.11	96	0037 395.14	34	0037 633.12	34	0038 037.11	13, 120
0036 420.10	34	0036 852.15	84	0037 055.12	96	0037 408.22	35	0037 634.13	34	0038 038.22	13, 120
0036 421.05	34	0036 853.16	84	0037 056.13	96	0037 409.23	35	0037 635.14	34	0038 039.23	13, 120
0036 422.06	34	0036 854.17	84	0037 057.14	96	0037 410.17	35	0037 636.15	38	0038 040.00	76
0036 423.07	34	0036 862.17	39	0037 058.25	96	0037 411.04	35	0037 637.16	38	0039 000.01	9, 59, 67, 79
0036 424.00	34	0036 863.10	39	00							

Numerical index

Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page
0094 307.26	216	0103 620.01	220	0205 536.27	219	0230 113.23	223	0231 114.11	223	0631 006.22	127
0094 308.07	216	0105 028.21	220	0205 537.20	219	0230 114.24	223	0231 115.12	223	0631 007.23	132
0094 309.00	216	0113 542.10	202, 203	0205 538.01	219	0230 115.25	223	0231 150.01	224	0631 012.17	127
0094 310.24	216	0113 544.12	202, 203	0205 539.02	219	0230 150.14	224	0231 151.26	224	0631 013.10	134
0094 311.11	216	0113 550.24	202, 203	0205 540.17	219	0230 151.01	224	0231 152.27	224	0631 014.11	127
0094 312.12	216	0114 825.05	202, 220	0205 541.04	219	0230 152.02	224	0231 153.20	224	0631 015.12	134
0094 313.13	216	0114 836.00	222	0205 542.05	219	0230 153.03	224	0231 154.21	224	0631 016.13	128
0094 314.14	216	0115 951.14	205, 207	0205 543.06	219	0230 154.04	224	0231 155.22	224	0631 017.14	134
0094 315.15	216	0115 952.15	205, 207	0205 544.07	219	0230 155.05	224	0231 156.23	224	0631 018.25	128
0094 316.16	216	0115 953.16	205, 206	0205 545.00	219	0230 156.06	224	0231 157.24	224	0631 019.26	134
0094 317.17	216	0115 954.17	205, 206	0205 546.01	219	0230 157.07	224	0231 158.05	224	0631 024.13	128
0094 318.20	216	0115 955.10	206	0205 547.02	219	0230 158.10	224	0231 159.06	224	0631 025.14	135
0094 319.21	216	0115 956.11	205, 206	0205 548.13	219	0230 159.11	224	0231 160.03	224	0631 026.15	128
0094 320.26	216	0115 972.11	206	0205 549.14	219	0230 160.16	224	0231 161.20	224	0631 027.16	135
0094 321.13	216	0115 973.12	205, 206	0205 550.11	219	0230 161.03	224	0231 162.21	224	0631 029.20	136
0094 322.14	216	0115 974.13	206	0205 551.06	219	0230 162.04	224	0231 163.22	224	0631 031.12	136
0094 323.15	216	0115 975.14	206	0205 552.07	219	0230 163.05	224	0231 164.23	224	0631 052.27	129
0094 324.16	216	0115 976.15	205, 206	0205 553.00	219	0230 164.06	224	0231 165.24	224	0631 053.20	137
0094 352.22	216	0116 702.24	203, 220	0205 554.01	219	0230 165.07	224	0231 166.25	224	0631 054.21	129
0094 353.23	216	0116 900.27	222	0205 555.02	219	0230 166.00	224	0231 167.26	224	0631 055.22	137
0094 354.24	216	0116 934.04	222	0205 556.03	219	0230 167.01	224	0231 168.07	224	0631 060.03	129
0094 355.25	216	0118 368.16	202	0205 557.04	219	0230 168.12	224	0231 169.00	224	0631 061.20	137
0094 356.26	216	0118 707.03	202, 220	0205 558.15	219	0230 169.13	224	0231 170.05	224	0631 062.21	129
0094 357.27	216	0128 368.10	202	0205 559.16	219	0230 170.10	224	0231 171.22	224	0631 063.22	137
0094 358.00	216	0163 046.24	202, 220	0205 560.13	219	0230 171.05	224	0231 172.23	224	0631 065.24	136
0094 359.01	216	0163 050.04	221	0205 561.00	219	0230 172.06	224	0231 173.24	224	0631 067.26	136
0094 360.06	216	0163 215.22	221	0205 562.01	219	0230 173.07	224	0231 174.25	224	0631 080.20	131
0094 361.23	216	0163 811.10	221	0205 563.02	219	0230 174.00	224	0231 175.26	224	0631 081.15	139
0094 362.24	216	0163 910.27	221	0205 564.03	219	0230 175.01	224	0231 180.20	224	0631 082.16	131
0094 363.25	216	0163 911.14	221	0205 565.04	219	0230 180.03	224	0231 181.15	224	0631 083.17	139
0094 364.26	216	0163 912.15	221	0205 566.05	219	0230 181.20	224	0231 182.16	224	0631 096.14	130
0094 365.27	216	0163 913.16	221	0205 567.06	219	0230 182.21	224	0231 183.17	224	0631 097.15	138
0094 366.20	216	0164 519.24	222	0205 568.17	219	0230 183.22	224	0231 184.10	224	0631 098.26	130
0094 367.21	216	0164 800.03	221	0205 569.10	219	0230 184.23	224	0231 185.11	224	0631 099.27	138
0094 368.02	216	0167 100.00	221	0205 570.15	219	0230 185.24	224	0231 186.12	224	0631 116.14	131
0094 369.03	216	0167 120.23	221	0205 571.02	219	0230 186.25	224	0231 187.13	224	0631 117.15	139
0094 370.00	216	0168 500.12	221	0205 572.03	219	0230 187.26	224	0231 188.24	224	0631 118.26	131
0094 371.25	216	0168 629.16	202	0205 573.04	219	0230 188.07	224	0231 189.25	224	0631 119.27	139
0094 372.26	216	0168 700.22	221	0205 574.05	219	0230 189.00	224	0231 190.22	224	0631 124.14	144
0094 373.27	216	0173 170.07	219	0205 805.04	206,	0230 190.05	224	0231 191.17	224	0631 125.15	139
0094 374.20	216	0173 220.05	219	0205 812.24	219	0230 191.22	224	0231 192.10	224	0631 143.27	140
0094 523.06	217	0173 627.21	219	0205 813.25	219	0230 192.23	224	0231 193.11	224	0631 151.27	148
0094 524.07	217	0173 660.16	202, 203, 206, 207	0205 814.26	219	0230 193.24	224	0231 194.12	224	0631 158.06	147
0094 525.00	217	0174 300.17	221	0205 815.27	219	0230 194.25	224	0231 195.13	224	0631 177.21	147
0094 526.01	217	0174 893.16	203, 220	0205 816.20	219	0230 195.26	224	0231 196.14	224	0631 178.02	147
0094 527.02	217	0174 894.17	203, 220	0205 817.21	219	0230 196.27	224	0231 197.15	224	0631 179.03	145, 146, 148
0094 528.13	217	0174 895.10	203, 220	0206 163.02	206, 207	0230 197.20	224	0231 198.26	224	0631 180.21	148
0094 529.14	217	0174 896.11	203, 220	0206 164.03	206, 207	0230 198.01	224	0231 199.27	224	0631 181.16	143
0094 530.11	217	0174 897.12	203, 220	0206 530.06	219	0230 199.02	224	0231 200.14	224	0631 182.17	141
0094 531.06	217	0176 192.11	217	0206 531.23	219	0230 200.27	224	0231 201.01	224	07CR 41 - 120 / 230 V	7
0094 532.07	217	0176 273.01	219	0206 532.24	219	0230 201.14	224	0231 202.02	224	07CR 41 - 24 V DC	7
0094 533.00	217	0176 274.02	219	0210 021.26	167, 176, 190,	206	0230 202.15	224	0231 203.03	7	
0094 534.01	217	0176 275.03	219	0211 277.00	206	0230 203.16	224	0231 204.04	224	07CR 42 - 24 V DC	7
0094 535.02	217	0176 276.04	219	0215 038.20	202, 203	0230 204.17	224	0231 205.05	224	07CT 41 - 24 V DC	7
0094 536.03	217	0176 277.05	219	0215 071.21	202	0230 205.10	224	0232 133.15	223	07CT 42 - 24 V DC	7
0097 402.11	216	0176 278.16	202, 219	0215 368.17	206	0231 000.07	223	0232 134.16	223	07DC92	10
0097 403.12	216	0176 279.17	202, 219	0230 000.12	223	0231 001.24	223	0232 135.17	223	07KR 51 - 120 / 230 V	7
0097 404.13	216	0176 280.05	202, 219	0230 001.07	223	0231 002.25	223	0232 136.10	223	07KR 51 - 24 V DC	7
0097 405.14	216	0176 281.22	202, 219	0230 002.00	223	0231 003.26	223	0232 137.11	223	07KT 51 - 24 V DC	7
0097 406.15	216	0176 282.23	202, 219	0230 003.01	223	0231 004.27	223	0233 133.16	223	140 ACI 03000	75, 77
0097 407.16	216	0177 482.24	217	0230 004.02	223	0231 005.20	223	0233 134.17	223	140 ACI 04000	75, 77
0097 408.27	216	0177 849.04	202, 203	0230 005.03	223	0231 006.21	223	0233 135.10	223	140 ACO 02000	75, 79
0097 409.20	216	0177 872.23	202	0230 006.04	223	0231 007.22	223	0233 136.11	223	140 ACO 13000	75, 77
0097 410.14	216	0178 745.14	126, 132, 202, 220	0230 007.05	223	0231 008.03	223	0233 137.12	223	140 ARI 03000	75, 77
0097 411.01	216	0178 746.15	126, 132, 202, 220	0230 008.16	223	0231 009.04	223	0291 102.23	220	140 ARI 03010	75, 77
0097 412.02	216	0178 801.06	217	0230 009.17	223	0231 010.20	223	0291 103.24	220	140 AVO 03000	75, 77
0097 413.03	216	0179 208.24	164	0230 010.03	223	0231 011.15	223	0291 104.25	220	140 AVO 02000	75, 78
0097 414.04	216	0179 507.00	217	0230 011.20	223	0231 012.16	223	0291 105.26	220	140 DAI 34000	73
0097 415.05	216	0179 518.02	217	0230 012.21	223	0231 013.17	223	0291 106.27	220	140 DAI 35300	72
0097 416.06	216	0179 879.14	203, 206	0230 013.22	223	0231 014.10	223	0291 107.20	220	140 DAI 44000	73
0097 417.07	216	0179 880.02	203, 206	0230 014.23	223	0231 015.11	223	0291 108.01	220	140 DAI 45300	72
0097 418.10	216	0194 836.01	222	0230 015.24	223	0231 016.12	223	0291 109.02	220	140 DAI 54000	72
0097 419.11	216	0196 934.05	222	0230 016.25	223	0231 017.13	223	0291 110.26	220	140 DAI 54300	72
0097 420.16	216	0199 306.03	222	0230 017.26	223	0231 018.24	223	0299 064.07	217	140 DAI 55300	72
0097 421.03	216	0199 323.23	202, 203, 206, 207	0230 018.07	223	0231 019.25	223	0299 249.25	217	140 DAI 74000	73
0097 422.04	216	0199 408.02	222	0230 019.00	223	0231 020.22	223	0299 253.11	217	140 DAI 75300	72
0097 423.05	216	020 568.04	219	0230 020.05	223	0231 021.17	223	0299 257.15	217	140 DAM 59000	72
0097 424.06	216	0205 110.00	218	0230 021.22	223	0231 022.10	223	0299 261.11	217	140 DAO 84000	73
0097 432.06	216	0205 227.01	219	0230 022.23	223	0231 030.24	223	0299 265.15	217	140 DAO 84010	73
0097 433.07	216	0205 361.17	206, 207	0230 030.07	223	0231 031.11	223	0299 286.03	217	140 DAO 84210	74
0097 434.00	216	0205 491.23	219	0230 031.24							

Numerical index

Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page
1746-0X 8	102, 103	6ES7421-1FH20-0AA0	46						
1756 - IA 16	93	6ES7421-5EH00-0AA0	46, 53						
1756 - IA 8D	94	6ES7421-7BH00-0AB0	46						
1756 - IB 16	93	6ES7421-7DH00-0AB0	46, 53						
1756 - IB 16d	92	6ES7422-1BH10-0AA0	47, 53						
1756 - IB 16d	93	6ES7422-1BL00-0AA0	46, 53						
1756 - IB 32	92	6ES7422-1FF00-0AA0	47						
1756 - IC 16	93	6ES7422-1FH00-0AA0	46						
1756 - IF 6 CIS	98	6ES7422-1HH00-0AA0	47						
1756 - IF 6I	96, 98	6ES7422-5EH00-0AB0	46						
1756 - IF 8	98	6ES7422-5EH10-0AB0	47, 53						
1756 - IF16	98	6ES7422-7BL00-0AA0	46						
1756 - IH 16d	93	6ES7422-7BL00-0AB0	53						
1756 - IM 16d	93	6ES7431-0HH00-0AB0	51						
1756 - IN 16	93	6ES7431-1KF00-0AB0	51						
1756 - IR 6I	96, 98	6ES7431-1KF10-0AB0	51						
1756 - IV 16	93	6ES7431-1KF20-0AB0	51						
1756 - IV 32	92	6ES7431-7KF 00-0AB0	50						
1756 - OA 16	94	6ES7431-7KF00-0AB0	51						
1756 - OA 16d	93	6ES7431-7KF10-0AB0	50, 51						
1756 - OA 8	95	6ES7431-7QH00-0AB0	51						
1756 - OA 8D	94	6ES7432-1HF00-0AB0	51						
1756 - OA 8E	94	6MD1021-0AA00-0AA0	48						
1756 - OB 16 IS	93	6MD1022-0AA00-0AA0	48, 50						
1756 - OB 16D	93	6MD1031-0AA00-0AA0	48, 50, 52						
1756 - OB 16E	94	6MD1031-0BA00-0AA0	48, 52						
1756 - OB 16I	93	6MD1032-0AA00-0AA0	48, 52						
1756 - OB 32	92	6MD1032-0BA00-0AA0	48, 52						
1756 - OB 8	95								
1756 - OB 8E1	94								
1756 - OC 8	95								
1756 - OF 6 VI	96								
1756 - OF8	98								
1756 - OH 8E1	93								
1756 - ON 16d	93								
1756 - ON 8	95								
1756 - OV 16E	94								
1756 - OW 16d	93								
1756 - OX 8I	93								
1771-0WIN	93, 96, 98								
6ES7212-1BA01-0XB0	16								
6ES7214-1A001-0XB0	17								
6ES7214-1AD22-0XB0	17								
6ES7214-1BC10-0XB0	18								
6ES7216-2AD00-0XB0	19								
6ES7216-2AD01-0XB0	19								
6ES7216-2AD21-0XB0	19								
6ES7216-2BD00-0XB0	20, 24, 25								
6ES7216-2BD21-0XB0	20								
6ES7223-1BH20-0XA0	24								
6ES7223-1PH20-0XA0	25								
6ES7223-1PL00-0XA0	21, 22, 23								
6ES7233-8BF00-0AB0	33								
6ES7312-5SD00-0AB0	28, 29								
6ES7313-5BE00-0AB0	28, 41, 43								
6ES7313-6BE00-0AB0	28, 41, 43								
6ES7313-6CE00-0AB0	28, 41, 43								
6ES7314-6BF00-0AB0	28, 41, 43								
6ES7314-6CF00-0AB0	28, 41, 43								
6ES7321-1BH02-0AA0	31, 41, 43								
6ES7321-1BH50-0AA0	31, 41, 43								
6ES7321-1BH81-0AA0	31, 41, 43								
6ES7321-1BL00-0AA0	30, 41, 43								
6ES7321-1BL80-0AA0	30, 41, 43								
6ES7321-1CH80-0AA0	30, 41, 43								
6ES7321-1EH01-0AA0	31								
6ES7321-1EL00-0AA0	30								
6ES7321-1FF01-0AA0	32								
6ES7321-1FF81-0AA0	32								
6ES7321-1FH00-0AA0	30								
6ES7321-7BH01-0AB0	31, 41, 43								
6ES7321-7BH80-0AB0	31, 41, 43								
6ES7321-7RD00-0AB0	37								
6ES7322-1BF01-0AA0	33, 44								
6ES7322-1BH00-0AA0	31								
6ES7322-1BH01-0AA0	42, 44								
6ES7322-1BH81-0AA0	31, 42, 44								
6ES7322-1BL00-0AA0	30, 41, 43								
6ES7322-1CF80-0AA0	32, 33								
6ES7322-1EH01-0AA0	31								
6ES7322-1EL00-0AA0	30								
6ES7322-1FF01-0AA0	32								
6ES7322-1FF81-0AA0	32								
6ES7322-1FH00-0AA0	30								
6ES7322-1HF00-0AA0	33								
6ES7322-1HF01-0AA0	33								
6ES7322-1HF10-0AA0	33								
6ES7322-1HF20-0AA0	30								
6ES7322-1HF80-0AA0	33								
6ES7322-1HH00-0AA0	31								
6ES7322-5HF00-0AB0	33								
6ES7322-5RD00-0AB0	37								
6ES7322-5SD00-0AB0	37								
6ES7322-8BF00-0AA0	42, 44								
6ES7322-8BF00-0AB0	33								
6ES7322-8BF80-0AA0	42, 44								
6ES7322-8BF80-0AB0	33								
6ES7322-8BH00-0AB0	31, 42, 44								
6ES7323-1BH01-0AA0	32, 42, 44								
6ES7323-1BH81-0AA0	32, 42, 44								
6ES7323-1BL00-0AA0	41								
6ES7331-7KB02-0AB0	35, 40								
6ES7331-7KB81-0AB0	35, 40								
6ES7331-7KF00-0AB0	35, 39								
6ES7331-7KF02-0AB0	35, 39								
6ES7331-7PF00-0AB0	34, 38								
6ES7331-7PF00-0AB0	34, 38								
6ES7331-7PF10-0AB0	39								
6ES7331-7RD00-0AB0	37								
6ES7331-7SF00-0AB0	37								
6ES7332-5HB01-0AB0	35, 40								
6ES7332-5HB81-0AB0	35, 40								
6ES7332-5HD01-0AB0	35, 39								
6ES7332-5HF00-0AB0	34, 38								
6ES7332-5RD00-0AB0	37								
6ES7332-7ND01-0AB0	35, 39								
6ES7334-0CE00-0AA0	39								
6ES7334-0CE00-0AB0	35								
6ES7334-0KE00-0AB0	35, 39								
6ES7335-7HG01-0AB0	35, 39								
6ES7350-1AH02-0AE0	36								
6ES7350-2AH00-0AE0	36								
6ES7421-1BL00-0AA0	46, 53								
6ES7421-1EL00-0AA0	46								
6ES7421-1FH00-0AA0	46								

Alphabetical index

Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page
A15X41	118	BJDL5.7	220	C200H - OD 211	107	CPFT2 / L-5/MT	216	FA150/C200H/Sub9/347	110	FA150/TSX370MNI2/557	57
A15X41-S2	118	BJDL5.8	220	C200H - OD 212	107	CPFT2 / L-5/PT	217	FA150/C200H/Sub9/348	110	FA150/TSX370MNI2/134	58
A15X42	118	BJDL5.9	220	C200H - OD 213	108	CPFT2 / L-6	216	FA150/Control Logic/2xOMN20/443	92	FA150/TSX370MNI2/135	58
A15X42-S2	118	BJM5	219	C200H - OD 214	108	CPFT2 / L-6/MT	216	FA150/Control Logic/2xOMN20/444	92	FA150/TSX370MNI2/136	58
A15X71	118	BJM5	219	C200H - OD 215	113	CPFT2 / L-6/PT	217	FA150/Control Logic/2xOMN20/452	93	FA150/TSX370MNI2/137	58
A15X81	118	BJS5.08	202	C200H - OD 216	108	CPFT2 / L-7	216	FA150/Control Logic/2xOMN20/491	96	FA150/TSX370MNI2/138	58
A15X81-S2	118	BNMS	200H - OD 218	147, 148, 207	113	CPFT2 / L-7/MT	216	FA150/Control Logic/2xOMN20/453	94	FA150/TSX370MNI2/139	58
A15Y81	118	BNMS A24V-4	146	C200H - OD 219	113	CPFT2 / L-7/PT	217	FA150/CONTROL LOGIX/OMN12/454	95	FA150/TSX370MNI2/140	61
AI 801	13	BNMS F125mA-1	211	C200H - OD 218	113	CPFT2 / L-8	216	FA150/CONTROL LOGIX/OMN12/455	95	FA150/TSX370MNI2/141	62
AI 810	12	BNMS F125mA-2	211	C200H - OD 411	108	CPFT2 / L-8/MT	217	FA150/CONTROL LOGIX/OMN12/460	94	FA150/TSX370MNI2/142	63
AI 820	12	BNMS F125mA-3	211	C200H - OD 501	113	CPFT2 / L-8/PT	216	FA150/Control Logic/OMN12/489	97	FA150/TSX370MNI2/143	63
AI 830	12	BNMS F125mA-4	211	C200H-OD217	107	CPFT2 / L-9	216	FA150/CONTROL LOGIX/OMN20/445	92	FA150/TSX370MNI2/144	64
AI 835	12	BNMS F2A-1	211	C51W-ID291	111	CPFT2 / L-9/MT	216	FA150/CONTROL LOGIX/OMN20/446	92	FA150/TSX370MNI2/145	64
AL2	202	BNMS F2A-2	211	C51W-MD291	112	CPFT2 / L-9/PT	217	FA150/CONTROL LOGIX/OMN20/451	94	FA150/TSX370MNI2/146	64
AO 801	13	BNMS F500M-A-1	211	C51W-MD292	112	CPFT2 / R-10	216	FA150/Control Logic/OMN20/452	93	FA150/TSX370MNI2/147	64
AO 810	12	BNMS F5A-1	211	C51W-OD292	111	CPFT2 / R-11	216	FA150/CONTROL LOGIX/OMN20/459	93	FA150/TSX370MNI2/148	64
AO 820	12	BNMS N24V-1	211, 213	CBM5	220	CPFT2 / R-12	216	FA150/CONTROL LOGIX/OMN20/488	96	FA150/TSX370MNI2/149	65
AX 82	116	BNMS N24V-2	211, 213	CBM8	220	CPFT2 / R-13	216	FA150/CONTROL LOGIX/OMN20/490	96	FA150/TSX370MNI2/150	65
AY 82 EP	116	BNMS N24V-3	211, 213	CCO1	126	CPFT2 / R-15	216	FA150/Control Logic/OMN20/492	96	FA150/TSX370MNI2/151	65
B2OM-32	133	BNMS N48V-3	211, 213	COFC 32	202, 203, 206, 207	CPFT2 / R-16	216	FA150/Control Logic/SUBD15/470	99	FA150/TSX370MNI2/152	66
B2OM-32-L	133	BNMS N5V-1	211, 214	CPF 5.08	207	CPFT2 / R-17	216	FA150/Control Logic/SUBD25/467	98	FA200/80-35/OMN12/166	82
BADL	222	BNMS N5V-2	211, 213	CPFC15 / 10	217	CPFT2 / R-18	216	FA150/Control Logic/SUBD25/468	98	FA200/80-35/OMN12/167	82
BAEH	222	BNMS N5V-3	211, 213	CPFC15 / 11	217	CPFT2 / R-19	216	FA150/Control Logic/SUBD25/472	98	FA200/80-35/OMN12/168	83
BAM	222	BNMS P24V-1	211, 214	CPFC15 / 12	217	CPFT2 / R-20	216	FA150/Control Logic/SUBD25/659	99	FA200/80-35/OMN12/169	83
BAM V0	222	BNMS P24V-2	211, 213	CPFC15 / 16	217	CPFT2 / R-2	216	FA150/Control Logic/SUBD37/471	98	FA200/80-35/OMN12/170	83
BAMH	222	BNMS P24V-3	211, 213	CPFC15 / 18	217	CPFT2 / R-21	216	FA150/Control Logic/SUBD9/469	99	FA200/80-35/OMN12/171	83
BAMH V0	222	BNMS P48V-3	211, 213	CPFC15 / 20	217	CPFT2 / R-22	216	FA150/FUJITSU/OMN20/171	90	FA200/80-35/OMN12/172	85
BAR	222	BNMS PSV-1	211, 214	CPFC15 / 24	217	CPFT2 / R-23	216	FA150/FUJITSU/OMN20/172	90	FA200/80-35/OMN12/173	85
BF2OM-16	152	BNMS PSV-2	211, 213	CPFC15 / 3	217	CPFT2 / R-24	216	FA150/FUJITSU/OMN20/173	90	FA200/80-35/OMN12/174	84
BF2OM-16-L	152	BNMS PSV-3	211, 213	CPFC15 / 4	217	CPFT2 / R-3	216	FA150/OMELSEC/2xOMN20/325	116, 118	FA200/80-35/OMN12/175	81
BF2OM-1R-16	178	BNMS R24V-1	211, 214, 215	CPFC15 / 6	217	CPFT2 / R-4	216	FA150/OMELSEC/2xOMN20/326	116, 118	FA200/80-35/OMN12/176	81, 85
BF2OM-1R-16-L	178	BNMS ST1	211	CPFC15 / 8	217	CPFT2 / R-5	216	FA150/OMELSEC/2xOMN20/463	116, 118	FA200/80-35/OMN12/177	82, 86
BF2OM-1R-32	184	BNMS ST2	211	CPFT2 / 10	126	CPFT2 / R-6	216	FA150/OMELSEC/2xOMN20/464	116, 118	FA200/80-35/OMN12/178	82
BF2OM-1R-32-BL	185	BNMS T115V-1	211	CPFT2 / 10 / PT	216	CPFT2 / R-7	216	FA150/OMRON/2xOMN20/269	113	FA200/80-35/OMN12/179	81
BF2OM-1R-32-L	185	BNMS T230V-1	211	CPFT2 / 11 / PT	216	CPFT2 / R-8	216	FA150/OMRON/2xOMN20/270	113	FA200/80-35/OMN12/180	81
BF2OM-1R-32-LS	184	BNMS T24V-1	211, 212	CPFT2 / 11	216	CPFT2 / R-9	216	FA150/OMRON/3xOMN20/592	111, 112	FA200/80-35/OMN12/181	85
BF2OM-1R-32-S	184	BNMS T48V-1	211	CPFT2 / 11 / PT	217	CPMS 20	206, 207	FA150/OMRON/3xOMN20/593	111, 112	FA200/80-35/SubD15/230	85
BF2OM-1R-32-SL	184	BNMS T5V-1	145	CPFT2 / 12	216	CPMS 34	206, 207	FA150/OMRON/3xOMN20/594	111, 112	FA200/80-35/SubD15/231	87
BF2OM-1R-32-SL	184	BNMS ST1	145, 146	CPFT2 / 12 / PT	216	CS1W - OD 262	113	FA150/Quantum/2xOMN20/12892	74	FA200/80-35/SubD15/232	87
BF2OM-1R-32-T	184	BNMS ST2	145, 146	CPFT2 / 13	216			FA150/Quantum/2xOMN12/1585	75	FA200/80-35/SubD15/235	89
BF2OM-1R-32-T	184	BNMS	220	CPFT2 / 13 / PT	217			FA150/Quantum/2xOMN20/001	72, 73	FA200/80-35/SubD15/236	88
BF2OM-1R-32-TL	185	BO05	202	CPFT2 / 14	216	D 2.5/5-SFA-T3PI-CPE	206	FA150/Quantum/2xOMN20/004	74	FA200/80-35/SubD15/237	87, 89
BF2OM-32	158	BOM 16/FF/TF-PI	138	CPFT2 / 14 / PT	216	D 2.5/5-SFA-T3PI-CPE-AB	206	FA150/Quantum/2xOMN20/072	75	FA200/80-35/SubD9/158	88
BF2OM-32-BL	159	BOM 16/FF/TF-L-PI	138	CPFT2 / 15	217	D 2.5/5-SFA-T3PI-CPE-L24BD	206	FA150/Quantum/OMN12-OMN20/218	72	FA200/80-35/SubD9/235	88
BF2OM-32-L	158	BOM 16/FS/TF-PI	137	CPFT2 / 15 / PT	217	D 2.5/5-SNB-T3PI-CPE	206	FA150/Quantum/OMN12-OMN20/219	72	FA200/80-35/SubD9/236	88
BF2OM-32-S	159	BOM 16/L/TF-PI	137	CPFT2 / 16	216	D 2.5/5-SNB-T3PI-CPE-AB	206	FA150/Quantum/OMN20-OMN12/414	73	FA200/80-35/SubD9/237	88
BF2OM-32-SL	158	BOM 16/L/LB	136	CPFT2 / 16 / PT	217	D 2.5/5-SNB-T3PI-CPE-L24BD	206	FA150/Quantum/OMN20-OMN12/571	73	FA200/80-35/SubD9/238	88
BF2OM-32-SL	158	BOM 16/L/LL	136	CPFT2 / 17	216	D 2.5/5-T3PI-CPE	206	FA150/Quantum/OMN20/003	73	FA200/80-35/SubD9/239	88
BF2OM-32-T	159	BOM 16/L/LL/TF-PI	137	CPFT2 / 18	216	D 2.5/5-T3PI-CPE-AB	206	FA150/Quantum/OMN20/030	74	FA200/80-35/SubD9/240	88
BF2OM-32-TL	159	BOM 16/SS/BS	136	CPFT2 / 19	216	D 2.5/5-T3PI-CPE-L24BD	206	FA150/Quantum/OMN20/050	76	FA200/80-35/SubD9/241	88
BFS AUTO	219	BOM 16/SS/BSL	136	CPFT2 / 20	216	D 2.5/5-UNI-CPE-L24BD	206	FA150/Quantum/SubD 25/005	77	FA200/80-35/SubD9/242	88
BFS AUTO	134	BOM 16/SS/TS-PI	139	CPFT2 / 21	216	DCB	126	FA150/Quantum/SubD 25/584	77	FA200/80-35/SubD9/243	88
BFS AUTO	127	BOM 16/SS/TS1-PI	139	CPFT2 / 22	216	DI 801	13	FA150/Quantum/SubD 37/008	78	FA200/80-35/SubD9/244	88
BFS AUTO V0	206	BOM 16/SS/TS1-L-PI	139	CPFT2 / 23	216	DI 802	13	FA150/Quantum/SubD 37/009	77	FA200/80-35/SubD9/245	88
BMS AUTO	219	BOM 16/SS/TS1-L-PI	139	CPFT2 / 24	216	DI 803	13	FA150/EX/OMN12/429	37	FA200/80-35/SubD9/246	88
BMSUBD15-M HR	160	BOM 8/FF/TF-PI	130	CPFT2 / 3	216	DI 810	12	FA150/ST 300 EX/OMN20/478	37	FA200/80-35/SubD9/247	88
BMSUBD25-M HR	160	BOM 8/FF/TF-L-PI	130	CPFT2 / 3 / PT	216	DI 811	12	FA150/ST 300 EX/OMN20/479	37	FA200/80-35/SubD9/248	88
BMSUBD37-M HR	160	BOM 8/FS/TF-PI	129	CPFT2 / 4	216	DI 812	12	FA150/ST 300 EX/OMN20/480	37	FA200/80-35/SubD9/249	88
BMSUBD9-M HR	160	BOM 8/FS/TF-L-PI	129	CPFT2 / 4 / PT	216	DI 814	12	FA150/ST 300 EX/OMN20/481	37	FA200/80-35/SubD9/250	88
BFOM-16	155	BOM 8/LL/TF-PI	129	CPFT2 / 5 / PT	216	DI 821	11	FA150/ST 300 EX/OMN20/482	37	FA200/80-35/SubD9/251	88
BFOM-16-B	156	BOM 8/SS/TS-PI	131	CPFT2 / 6	216	DI 831	12	FA150/ST 300 EX/OMN20/483	37	FA200/80-35/SubD9/252	88
BFOM-16-BL	156	BOM 8/SS/TS1-PI	131	CPFT2 / 6 / PT	217	DI 885	13	FA150/ST 300 EX/OMN20/484	37	FA200/80-35/SubD9/253	88
BFOM-16-L	155	BOM 8/SS/TS1-L-PI	131	CPFT2 / 7	216	DI 801	13	FA150/ST 300 EX/OMN20/485	37	FA200/80-35/SubD9/254	88
BFOM-16-S	155	BOM 8/SS/TS1-L-PI	131	CPFT2 / 7 / PT	217	DO 802	13	FA150/ST 300 EX/OMN20/486	37	FA200/80-35/SubD9/255	88
BFOM-16-SL	155	BOM-16	132	CPFT2 / 8	216	DO 810	12	FA150/ST 300 EX/OMN20/487	37	FA200/80-35/SubD9/256	88
BFOM-16-T	156	BOM-16-B	135	CPFT2 / 8 / PT	217	DO 814	12	FA150/ST 300 EX/OMN20/488	37	FA200/80-35/SubD9/257	88
BFOM-16-TF	157	BOM-16-BL	135	CPFT2 / 9	216	DO 815	12	FA150/ST 300 EX/OMN20/489	37	FA200/80-35/SubD9/258	88
BFOM-16-TL	156	BOM-16-L	135	CPFT2 / 9 / PT	217	DO 820	13	FA150/ST 300 EX/OMN20/490	37	FA200/80-35/SubD9/259	88
BFOM-16-TLF	157	BOM-16-LF	132	CPFT2 / 10	216	DO 821	13	FA150/ST 300 EX/OMN20/491	37	FA200/80-35/SubD9/260	88
BFOM-1R-16	181	BOM-16-LT	134	CPFT2 / L-10/MT	216	DP 820	12	FA150/ST 300 EX/OMN20/492	37	FA200/80-35/SubD9/261	88
BFOM-1R-16-BL	182	BOM-16-S	134	CPFT2 / L-10/PT	217			FA150/ST 300 EX/OMN20/493	37	FA200/80-35/SubD9/262	88
BFOM-1R-16-L	181	BOM-16-SL	134	CPFT2 / L-11	216			FA150/ST 300 EX/OMN20/494	37	FA200/80-35/SubD9/263	88
BFOM-1R-16-S	181	BOM-1R-16	149	CPFT2 / L-11/MT	216	E / S	123	FA150/ST 300 EX/OMN20/495	37	FA200/80-35/SubD9/264	88
BFOM-1R-16-SL	181	BOM-1R-16-S	150	CPFT2 / L-11/PT	216	E / S TOR	13, 120	FA150/ST 300 EX/OMN20/496	37	FA200/80-35/SubD9/265	88
BFOM-1R-16-T	182	BOM-2R-16	149	CPFT2 / L-12	216	EIP	202, 203	FA150/ST 300 EX/OMN20/497	37	FA200/80-35/SubD9/266	88
BFOM-1R-16-TL	182	BOM-8	126	CPFT2 / L-12/MT	216	EL6	219				

Alphabetical index

Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page
FA200/S7 300/OMN20/12/550	35	FA250/CONTROL LOGIX/OMN20/446	92	FA250/TSX57/OMN20/248	61	FA300/S7 300/SubD25/227	38	FA400/Control Logix/SUBD37/471	98	FA500/80-35/OMN12/170	83
FA200/S7 300/OMN20-OMN12/644	29	FA250/TSX57/OMN20/451	94	FA250/TSX57/OMN20/249	61	FA300/S7 300/SubD25/476	37	FA400/Control Logix/SUBD9/469	99	FA500/80-35/OMN12/501	85
FA200/S7 300/OMN20/062	31	FA250/Control Logix/OMN20/452	93	FA250/TSX57/OMN20/251	62	FA300/S7 300/SubD37/477	37	FA400/FUJITSU/OMN20/171	90	FA500/80-35/OMN12/502	86
FA200/S7 300/OMN20/063	30, 31, 32, 35	FA250/CONTROL LOGIX/OMN20/459	93	FA250/TSX57/OMN20/561	64	FA300/S7 300/SubD37/597	38	FA400/FUJITSU/OMN20/172	90	FA500/80-35/OMN12/503	85
FA200/S7 300/OMN20/069	33	FA250/Control Logix/OMN20/488	96	FA250/TSX57/SubD15/245	66	FA300/S7 300/SubD9/058	46	FA400/FUJITSU/OMN20/173	90	FA500/80-35/OMN12/631	84
FA200/S7 300/OMN20/473	33	FA250/TSX57/OMN20/490	96	FA250/TSX57/SubD25/244	65	FA300/S7 400/OMN20/12076	46	FA400/MELSEC2x/OMN20/325	116, 118	FA500/80-35/OMN20/161	81, 85
FA200/S7 300/OMN20/474	34	FA250/TSX57/OMN20/492	96	FA250/TSX57/SubD9/246	65	FA300/S7 400/OMN20/12078	47	FA400/MELSEC2x/OMN20/326	116, 118	FA500/80-35/OMN20/162	82, 86
FA200/S7 300/OMN20/552	34	FA250/Control Logix/OMN20/640	97	FA250/TSX57/SubD9/246	66	FA300/S7 400/OMN20/12079	46	FA400/MELSEC2x/OMN20/463	116, 118	FA500/80-35/OMN20/164	82, 86
FA200/S7 300/OMN20/643	28	FA250/Control Logix/SUBD15/470	97	FA250/TSX57/SubD9/246	66	FA300/S7 400/OMN20/12079	46	FA400/MELSEC2x/OMN20/464	116, 118	FA500/80-35/OMN20/165	82, 86
FA200/S7 300/Sub D 25-OMN12/646	29	FA250/Control Logix/SUBD25/467	98	FA300/80-35/OMN12/166	83	FA300/S7 400/OMN20/408	48	FA400/OMN2x/OMN20/270	113	FA500/80-35/OMN20/406	81
FA200/S7 300/Sub D 25/647	29	FA250/Control Logix/SUBD25/468	98	FA300/S7 35/OMN12/167	82	FA300/S7 400/OMN20/409	48	FA400/OMRON2x/OMN20/269	113	FA500/80-35/OMN20/407	81
FA200/S7 300/SubD15/059	40	FA250/Control Logix/SUBD25/472	98	FA300/80-35/OMN12/168	83	FA300/S7 400/OMN20/538	50	FA400/OMRON3x/OMN20/592	111, 112	FA500/80-35/OMN20/595	85
FA200/S7 300/SubD25/057	39	FA250/Control Logix/SUBD25/659	99	FA300/80-35/OMN12/169	83	FA300/S7 400/OMN20/539	48	FA400/OMRON3x/OMN20/593	111, 112	FA500/80-35/SubD15/230	87
FA200/S7 300/SubD25/227	38	FA250/Control Logix/SUBD37/471	98	FA300/80-35/OMN12/170	83	FA300/S7 400/OMN20/540	50	FA400/OMRON3x/OMN20/594	111, 112	FA500/80-35/SubD15/231	87
FA200/S7 300/SubD25/476	38	FA250/Control Logix/SUBD9/469	99	FA300/80-35/OMN12/501	85	FA300/S7 400/OMN20/541	48	FA400/Quantum2x/OMN20/12/002	74	FA500/80-35/SubD15/237	87
FA200/S7 300/SubD37/477	38	FA250/FUJITSU/OMN20/171	90	FA300/80-35/OMN12/502	86	FA300/S7 400/OMN20/576	46	FA400/Quantum2x/OMN20/12/003	75	FA500/80-35/SubD25/156	88
FA200/S7 300/SubD37/597	38	FA250/FUJITSU/OMN20/172	90	FA300/80-35/OMN12/503	85	FA300/S7 400/OMN20/077	47	FA400/Quantum2x/OMN20/12/004	74	FA500/80-35/SubD25/157	88
FA200/S7 300/SubD9/058	40	FA250/FUJITSU/OMN20/173	90	FA300/80-35/OMN12/631	84	FA300/S7 400/OMN20/438	47	FA400/Quantum2x/OMN20/004	74	FA500/80-35/SubD25/177	87, 89
FA200/S7 400/2xOMN12/076	46	FA250/MELSEC2x/OMN20/326	116, 118	FA300/80-35/OMN20/161	84	FA300/S7 400/OMN20/542	50	FA400/Quantum2x/OMN20/052	75	FA500/80-35/SubD9/158	87
FA200/S7 400/2xOMN12/078	47	FA250/MELSEC2x/OMN20/325	116, 118	FA300/80-35/OMN20/162	81, 85	FA300/S7 400/SubD25/012/416	49	FA400/QuantumOMN12-OMN20/218	72	FA500/80-35/SubD9/235	88
FA200/S7 400/2xOMN12/079	47	FA250/MELSEC2x/OMN20/464	116, 118	FA300/80-35/OMN20/164	82, 86	FA300/S7 400/SubD25/073	51	FA400/QuantumOMN12-OMN20/219	72	FA500/80-35/SubD9/236	88
FA200/S7 400/2xOMN20/048	48	FA250/OMRON2x/OMN20/269	113	FA300/80-35/OMN20/165	82	FA300/S7 400/SubD37-OMN12/415	49	FA400/QuantumOMN20-OMN12/414	73	FA500/80-35/SubD9/237	88
FA200/S7 400/2xOMN20/408	48	FA250/OMRON2x/OMN20/270	113	FA300/80-35/OMN20/406	81	FA300/S7 400/SUBD37/072	51	FA400/QuantumOMN20-OMN12/571	75	FA500/80-35/SubD9/238	88
FA200/S7 400/2xOMN20/409	48	FA250/OMRON3x/OMN20/592	111, 112	FA300/80-35/OMN20/407	81	FA300/S7 400/SUBD37/412	52	FA400/QuantumOMN20/030	73	FA500/80-35/SubD9/239	88
FA200/S7 400/2xOMN20/538	50	FA250/OMRON3x/OMN20/593	111, 112	FA300/80-35/OMN20/595	85	FA300/S7 400/SUBD37/413	52	FA400/QuantumOMN20/430	74	FA500/80-35/SubD9/240	88
FA200/S7 400/2xOMN20/539	50	FA250/OMRON3x/OMN20/593	111, 112	FA300/80-35/SubD15/230	87	FA300/S7 400/SUBD37/573	51	FA400/QuantumOMN20/570	76	FA500/80-35/SubD9/241	88
FA200/S7 400/2xOMN20/540	50	FA250/OMRON3x/OMN20/594	111, 112	FA300/80-35/SubD15/231	87	FA300/S7 400/SUBD37/573	51	FA400/QuantumSubD 25/005	75	FA500/80-35/SubD9/242	88
FA200/S7 400/2xOMN20/541	50	FA250/Quantum2x/OMN12/002	74	FA300/80-35/SubD15/237	87	FA300/S7 400/SUBD37/573	51	FA400/QuantumSubD 25/007	75	FA500/80-35/SubD9/243	88
FA200/S7 400/2xOMN20/542	50	FA250/Quantum2x/OMN12/003	74	FA300/80-35/SubD15/237	88	FA300/S7 400/SUBD37/573	51	FA400/QuantumSubD 25/008	75	FA500/80-35/SubD9/244	88
FA200/S7 400/2xOMN20/543	50	FA250/Quantum2x/OMN12/004	74	FA300/80-35/SubD15/237	88	FA300/S7 400/SUBD37/573	51	FA400/QuantumSubD 25/009	75	FA500/80-35/SubD9/245	88
FA200/S7 400/2xOMN20/544	50	FA250/Quantum2x/OMN12/005	74	FA300/80-35/SubD15/237	88	FA300/S7 400/SUBD37/573	51	FA400/QuantumSubD 25/010	75	FA500/80-35/SubD9/246	88
FA200/S7 400/2xOMN20/545	50	FA250/Quantum2x/OMN12/006	74	FA300/80-35/SubD15/237	88	FA300/S7 400/SUBD37/573	51	FA400/QuantumSubD 25/011	75	FA500/80-35/SubD9/247	88
FA200/S7 400/2xOMN20/546	50	FA250/Quantum2x/OMN12/007	74	FA300/80-35/SubD15/237	88	FA300/S7 400/SUBD37/573	51	FA400/QuantumSubD 25/012	75	FA500/80-35/SubD9/248	88
FA200/S7 400/2xOMN20/547	50	FA250/Quantum2x/OMN12/008	74	FA300/80-35/SubD15/237	88	FA300/S7 400/SUBD37/573	51	FA400/QuantumSubD 25/013	75	FA500/80-35/SubD9/249	88
FA200/S7 400/2xOMN20/548	50	FA250/Quantum2x/OMN12/009	74	FA300/80-35/SubD15/237	88	FA300/S7 400/SUBD37/573	51	FA400/QuantumSubD 25/014	75	FA500/80-35/SubD9/250	88
FA200/S7 400/2xOMN20/549	50	FA250/Quantum2x/OMN12/010	74	FA300/80-35/SubD15/237	88	FA300/S7 400/SUBD37/573	51	FA400/QuantumSubD 25/015	75	FA500/80-35/SubD9/251	88
FA200/S7 400/2xOMN20/550	50	FA250/Quantum2x/OMN12/011	74	FA300/80-35/SubD15/237	88	FA300/S7 400/SUBD37/573	51	FA400/QuantumSubD 25/016	75	FA500/80-35/SubD9/252	88
FA200/S7 400/2xOMN20/551	50	FA250/Quantum2x/OMN12/012	74	FA300/80-35/SubD15/237	88	FA300/S7 400/SUBD37/573	51	FA400/QuantumSubD 25/017	75	FA500/80-35/SubD9/253	88
FA200/S7 400/2xOMN20/552	50	FA250/Quantum2x/OMN12/013	74	FA300/80-35/SubD15/237	88	FA300/S7 400/SUBD37/573	51	FA400/QuantumSubD 25/018	75	FA500/80-35/SubD9/254	88
FA200/S7 400/2xOMN20/553	50	FA250/Quantum2x/OMN12/014	74	FA300/80-35/SubD15/237	88	FA300/S7 400/SUBD37/573	51	FA400/QuantumSubD 25/019	75	FA500/80-35/SubD9/255	88
FA200/S7 400/2xOMN20/554	50	FA250/Quantum2x/OMN12/015	74	FA300/80-35/SubD15/237	88	FA300/S7 400/SUBD37/573	51	FA400/QuantumSubD 25/020	75	FA500/80-35/SubD9/256	88
FA200/S7 400/2xOMN20/555	50	FA250/Quantum2x/OMN12/016	74	FA300/80-35/SubD15/237	88	FA300/S7 400/SUBD37/573	51	FA400/QuantumSubD 25/021	75	FA500/80-35/SubD9/257	88
FA200/S7 400/2xOMN20/556	50	FA250/Quantum2x/OMN12/017	74	FA300/80-35/SubD15/237	88	FA300/S7 400/SUBD37/573	51	FA400/QuantumSubD 25/022	75	FA500/80-35/SubD9/258	88
FA200/S7 400/2xOMN20/557	50	FA250/Quantum2x/OMN12/018	74	FA300/80-35/SubD15/237	88	FA300/S7 400/SUBD37/573	51	FA400/QuantumSubD 25/023	75	FA500/80-35/SubD9/259	88
FA200/S7 400/2xOMN20/558	50	FA250/Quantum2x/OMN12/019	74	FA300/80-35/SubD15/237	88	FA300/S7 400/SUBD37/573	51	FA400/QuantumSubD 25/024	75	FA500/80-35/SubD9/260	88
FA200/S7 400/2xOMN20/559	50	FA250/Quantum2x/OMN12/020	74	FA300/80-35/SubD15/237	88	FA300/S7 400/SUBD37/573	51	FA400/QuantumSubD 25/025	75	FA500/80-35/SubD9/261	88
FA200/S7 400/2xOMN20/560	50	FA250/Quantum2x/OMN12/021	74	FA300/80-35/SubD15/237	88	FA300/S7 400/SUBD37/573	51	FA400/QuantumSubD 25/026	75	FA500/80-35/SubD9/262	88
FA200/S7 400/2xOMN20/561	50	FA250/Quantum2x/OMN12/022	74	FA300/80-35/SubD15/237	88	FA300/S7 400/SUBD37/573	51	FA400/QuantumSubD 25/027	75	FA500/80-35/SubD9/263	88
FA200/S7 400/2xOMN20/562	50	FA250/Quantum2x/OMN12/023	74	FA300/80-35/SubD15/237	88	FA300/S7 400/SUBD37/573	51	FA400/QuantumSubD 25/028	75	FA500/80-35/SubD9/264	88
FA200/S7 400/2xOMN20/563	50	FA250/Quantum2x/OMN12/024	74	FA300/80-35/SubD15/237	88	FA300/S7 400/SUBD37/573	51	FA400/QuantumSubD 25/029	75	FA500/80-35/SubD9/265	88
FA200/S7 400/2xOMN20/564	50	FA250/Quantum2x/OMN12/025	74	FA300/80-35/SubD15/237	88	FA300/S7 400/SUBD37/573	51	FA400/QuantumSubD 25/030	75	FA500/80-35/SubD9/266	88
FA200/S7 400/2xOMN20/565	50	FA250/Quantum2x/OMN12/026	74	FA300/80-35/SubD15/237	88	FA300/S7 400/SUBD37/573	51	FA400/QuantumSubD 25/031	75	FA500/80-35/SubD9/267	88
FA200/S7 400/2xOMN20/566	50	FA250/Quantum2x/OMN12/027	74	FA300/80-35/SubD15/237	88	FA300/S7 400/SUBD37/573	51	FA400/QuantumSubD 25/032	75	FA500/80-35/SubD9/268	88
FA200/S7 400/2xOMN20/567	50	FA250/Quantum2x/OMN12/028	74	FA300/80-35/SubD15/237	88	FA300/S7 400/SUBD37/573	51	FA400/QuantumSubD 25/033	75	FA500/80-35/SubD9/269	88
FA200/S7 400/2xOMN20/568	50	FA250/Quantum2x/OMN12/029	74	FA300/80-35/SubD15/237	88	FA300/S7 400/SUBD37/573	51	FA400/QuantumSubD 25/034	75	FA500/80-35/SubD9/270	88
FA200/S7 400/2xOMN20/569	50	FA250/Quantum2x/OMN12/030	74	FA300/80-35/SubD15/237	88	FA300/S7 400/SUBD37/573	51	FA400/QuantumSubD 25/035	75	FA500/80-35/SubD9/271	88
FA200/S7 400/2xOMN20/570	50	FA250/Quantum2x/OMN12/031	74	FA300/80-35/SubD15/237	88	FA300/S7 400/SUBD37/573	51	FA400/QuantumSubD 25/036	75	FA500/80-35/SubD9/272	88
FA200/S7 400/2xOMN20/571	50	FA250/Quantum2x/OMN12/032	74	FA300/80-35/SubD15/237	88	FA300/S7 400/SUBD37/573	51	FA400/QuantumSubD 25/037	75	FA500/80-35/SubD9/273	88
FA200/S7 400/2xOMN20/572	50	FA250/Quantum2x/OMN12/033	74	FA300/80-35/SubD15/237	88	FA300/S7 400/SUBD37/573	51	FA400/QuantumSubD 25/038	75	FA500/80-35/SubD9/274	88
FA200/S7 400/2xOMN20/573	50	FA250/Quantum2x/OMN12/034	74	FA300/80-35/SubD15/237	88	FA300/S7 400/SUBD37/573	51	FA400/QuantumSubD 25/039	75	FA500/80-35/SubD9/275	88
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