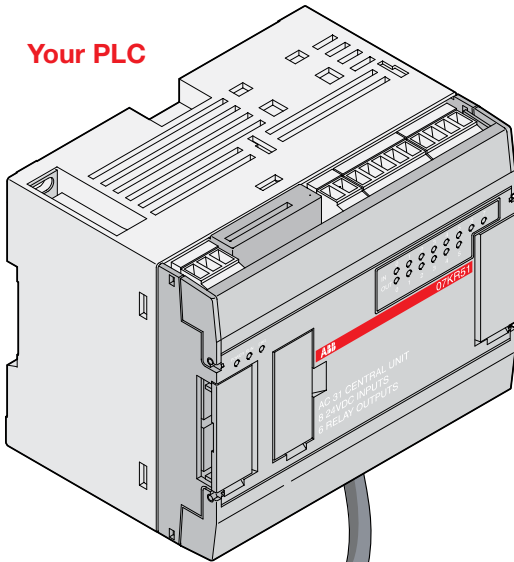


Pre-wiring system for PLC's Interfast



Interfast, PLC wiring system

Your PLC



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 :

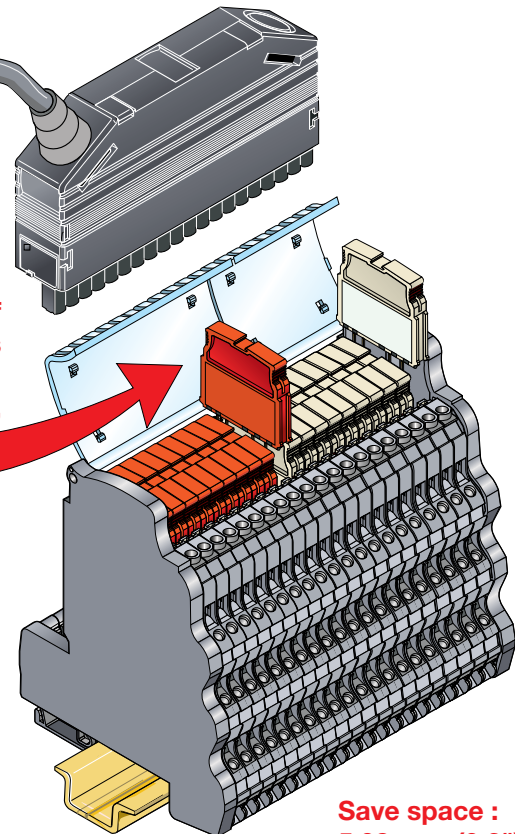
- Prewired and pretested PLC cables mate with your PLC
- Cable lengths to 5 meters and higher
- Reduce PLC wiring time from hours to minutes
- Standard terminal blocks plus relay and optocoupler interfaces
- Eliminate testing
- Customize output
- Operate in restricted space

Simplify field wiring to all PLCs including :

ABB	AEG	Allen Bradley
SIEMENS	Cegelec	Omron
Télemécanique	GE Fanuc	Mitsubishi

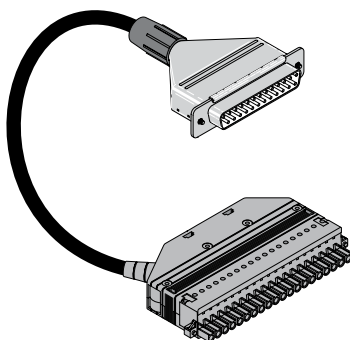
Swing arm
prewired by ABB

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

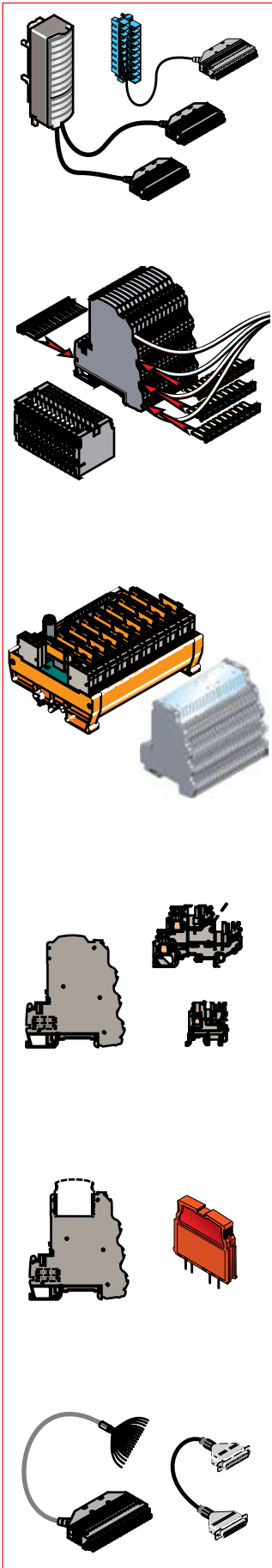


Save space :
5,08 mm (0.2") per PLC
point.

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



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 Entelec 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

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Prewired swing arms

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-------------	----

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Interfast, the prewiring system for PLC's

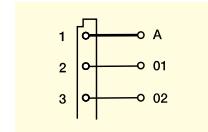
Ordering details

Interfast Kit



Kit type A

One harness length 1 or 2 meters and
one connection interface 16 channels without led
Spacing : 112 mm.



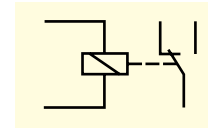
Single-wire interface with terminal block assembly

Kit 16 Input / Output 60 V max.

Length	Type	Order P/N
1 meter	Kit 100/BOM16/661	1SNA 631 183 R1000
2 meters	Kit 200/BOM16/661	1SNA 631 184 R1100

Kit type B

One harness length 1 or 2 meters and
one decoupling interface with 16 pluggable relays 1 SPDT
Spacing : 112 mm.



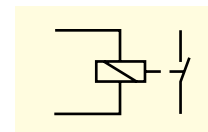
16 relays decoupling interface with terminal block assembly

Kit 16 N relays 1 SPDT 6 A / 250 V

Length	Type	Order P/N
1 meter	Kit 100/BRI1621N/661	1SNA 631 185 R1200
2 meters	Kit 200/BRI1621N/661	1SNA 631 186 R1300

Kit type C

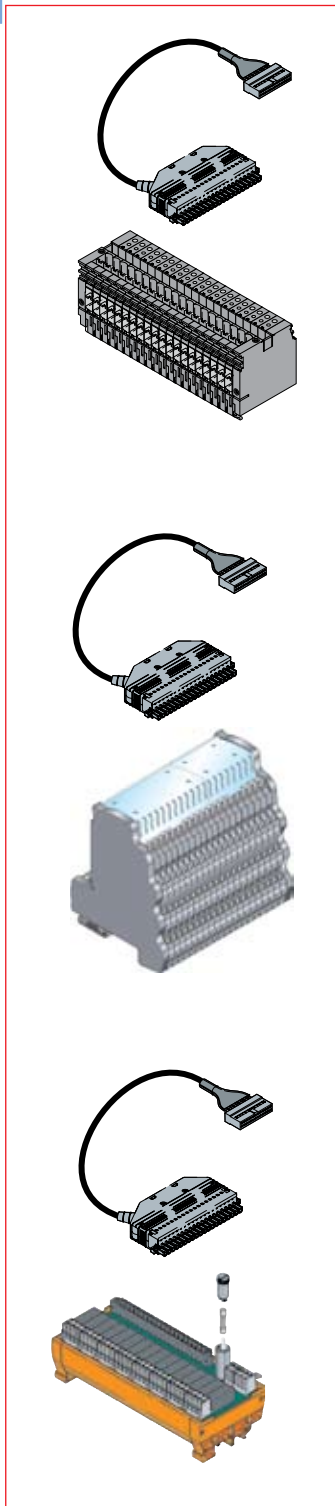
One harness length 1 or 2 meters and
one decoupling interface with 16 no removable relays 1 NO
Spacing : 170 mm.



16 relays decoupling interface

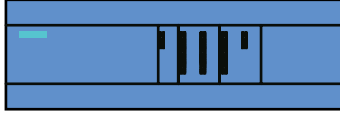
Kit 16 N/P relays 1 NO 5 A / 250 V

Length	Type	Order P/N
1 meter	Kit 100/RIOM1621NP	1SNA 631 187 R1400
2 meters	Kit 200/RIOM1621NP	1SNA 631 188 R2500



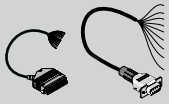
CONNECTION TECHNOLOGY SELECTION GUIDE

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

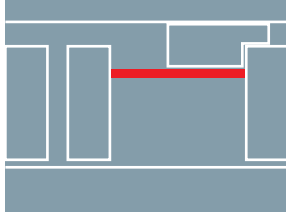
STI range cable



References				See page	See page	See page
CPU series 40						
07 CR 41 - 24 VDC				Page 8		
07 CR 41 - 120 / 230 V				Page 8		
07 CT 41 - 24 VDC				Page 8		
07 CR 42 - 24 VDC				Page 8		
07 CR 42 - 120 / 230 V				Page 8		
07 CT 42 - 24 VDC				Page 8		
CPU series 50						
07 KR 51 - 24 VDC				Page 8		
07 KR 51 - 120 / 230 V				Page 8		
07 KT 51 - 24 VDC				Page 8		
Off-center housing						
ICMK 14 F1 - 24 VDC				Page 8		
ICMK 14 F1 - 120 / 230 V				Page 8		
ICMK 14 N1 - 24 VDC				Page 8		
ICMK 14 F1-M - 24 VDC				Page 8		
ICMK 14 F1-M - 120 / 230 V				Page 8		
ICMK 14 N1-M - 24 VDC				Page 8		
Series 90 module						
07 DC 92					Page 11	
Extension module						
XI 16 E1				Page 9		
XO 16 N1				Page 9		
XC 32 L1						Page 10
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

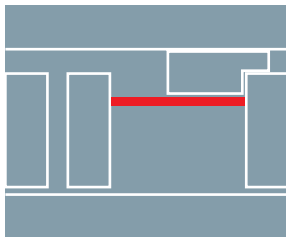
⁽¹⁾ Do not connect the ground wire
⁽²⁾ Interfast MS only

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

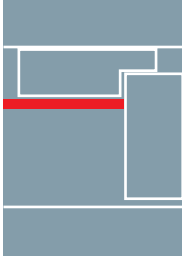
⁽¹⁾ Do not connect the ground wire
⁽²⁾ Interfast MS only

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
Omnicconnect connector.**



■ Wire markers optional:
Consult us

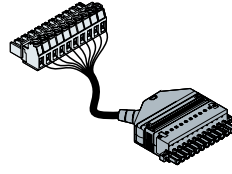
■ Accessories:
see section on ACCESSORIES

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

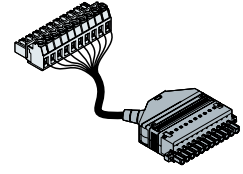
Characteristics

Type of connector	1 Omnicconnect 12 points			1 Omnicconnect 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



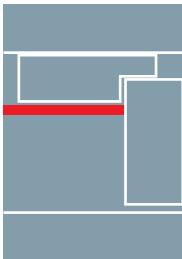
Channels 9 to 16

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
Omnicconnect connector.**



■ Wire markers optional:
Consult us

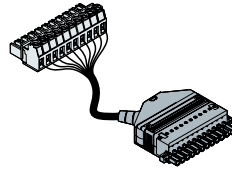
■ Accessories:
see section on ACCESSORIES

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

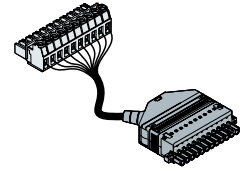
Characteristics

Type of connector	1 Omnicconnect 12 points			1 Omnicconnect 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



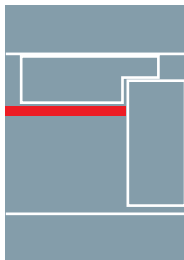
Channels 9 to 16

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

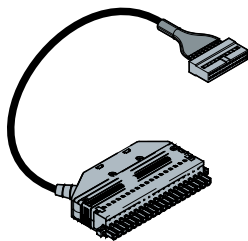
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	LA150/AC31-ABB/OMN12/637	0036 923.04	0037 923.05	LA150/AC31-ABB/OMN12/638	0036 929.12	0037 929.13
2 m	LA200/AC31-ABB/OMN12/637	0036 924.05	0037 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	Output
XC 32 L1 ⁽¹⁾		16 opto P	16 relays N
XC 32 L2 ⁽¹⁾		16 opto P	16 relays N
Kit (X2)	A, B, C	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

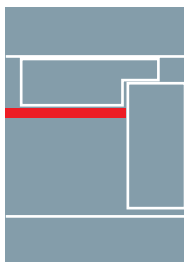
Length	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LA100/HE10-20/OMN20/661		0039 000.02
1,5 m	LA150/HE10-20/OMN20/661		0039 001.27
2 m	LA200/HE10-20/OMN20/661		0039 002.20
2,5 m			
3 m	LA300/HE10-20/OMN20/661		0039 004.22
4 m			
5 m	LA500/HE10-20/OMN20/661		0039 006.24

Characteristics

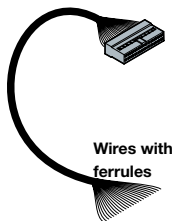
Type of connector	1 Omniconnect 20 points
Wire size	0,14mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM
PLC connector interface	1 HE 10/20 points

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
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

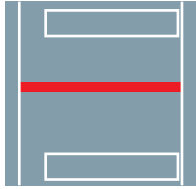
Length	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LAF100/HE10-20/UNI/662		0039 007.06
1,5 m	LAF150/HE10-20/UNI/662		0039 008.25
2 m	LAF200/HE10-20/UNI/662		0039 009.06
2,5 m			
3 m	LAF300/HE10-20/UNI/662		0039 011.04
4 m			
5 m	LAF500/HE10-20/UNI/662		0039 013.22

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.**



■ Wire markers optional:
Consult us

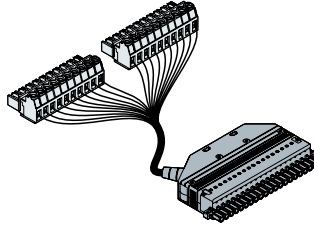
■ Accessories:
see section on ACCESSORIES

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

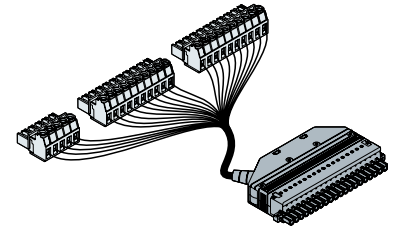
Characteristics

Type of connector	1 Omniconnect 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	

Series 90 Module 07 DC 92



Channels 1 to 16



Channels 17 to 32

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

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



Multipurpose cable



Multipurpose cable

See chapter "Connection cables"



References

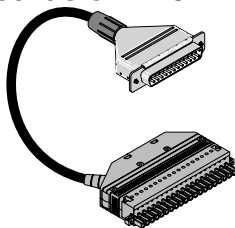
					See page	See page
Boards 16 I DIGITAL						
DI 801						Page 14
DI 810					Page 13	
DI 811					Page 13	
DI 814					Page 13	
DI 830					Page 13	
DI 831					Page 13	
Boards 16 O DIGITAL						
DO 801						Page 14
DO 810					Page 13	
DO 814					Page 13	
Boards 8 I DIGITAL						
DI 802						Page 14
DI 803						Page 14
DI 820						Page 14
DI 821						Page 14
DI 885					Page 13	
Boards 8 O DIGITAL						
DO 802						Page 14
DO 815						Page 14
DO 820						Page 14
DO 821						Page 14
Boards 8 I ANA						
AI 801						
AI 810					Page 13	
AI 830					Page 13	
AI 835					Page 13	
Boards 8 O ANA						
AO 801						Page 14
AO 810					Page 13	
Boards 4 I ANA						
AI 820					Page 13	
Boards 4 O ANA						
AO 820					Page 13	
Pulse counter boards						
DP 820						

interfast 3

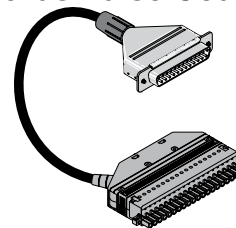


ABB S800 I/O board with built-in connector. Cables with connector to omniconnect

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		16 opto P	DO 810		16 relays N /16 opto N
DI 811			DO 814		16 relays P /16 opto P
DI 814		16 opto N/P	Boards Pulse Counter		
DI 830		16 opto P	DP 820		
DI 831					
Boards 8 I DIGITAL					
DI 885					

■ 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

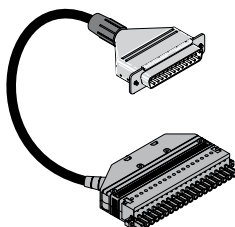
Type of interface connector	1 omniconnect 20 points	1 omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector interface	1 Sub D 25 points female	1 Sub D 25 points female

interfast 3

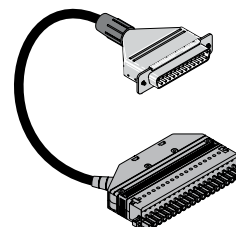


ABB S800 I/O board with built-in connector. Cables with connector to omniconnect

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			AI 820		
AI 830			Boards 4 O ANA		
AI 835			AO 820		
Boards 8 O ANA					
AO 810					

■ 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

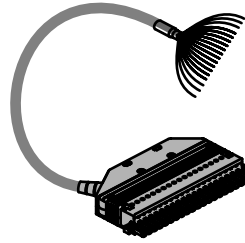
Type of interface connector	1 omniconnect 20 points	1 omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector interface	1 Sub D 25 points female	1 Sub D 25 points female

interfast 3



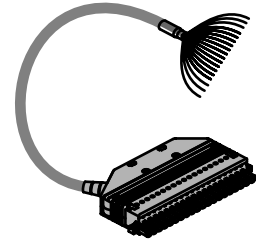
ABB S800 I/O board with built-in connector. Multipurpose cable with connector to omniconnect

Boards 16 I DIGITAL Boards 16 O DIGITAL



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		16 opto P	DI 802		
Boards 16 O DIGITAL			DI 803		
DO 801		16 relays N / 16 opto	DI 820		
N			DI 821		

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

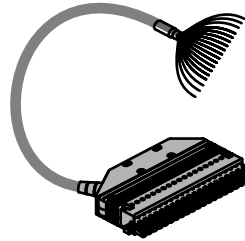
Type of connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 22 AWG	0,22mm ² - 22 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
Max. current/Max. voltage	2 A / 250 V	2 A / 250 V

interfast 3



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

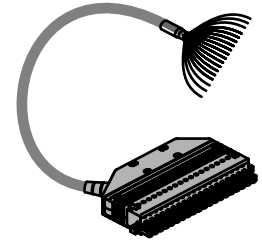
Boards 8 O DIGITAL



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

Boards 8 I ANA Boards 8 O ANA



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

Wire markers optional: Consult us

Accessories: see section on ACCESSORIES

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

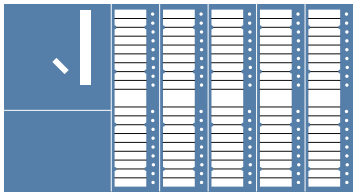
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LAF100/UNI/OMN20/666	0038 036.10	XUSI02586	LAF100/UNI/OMN20/666	0038 036.10	XUSI02586
1,5 m	LAF150/UNI/OMN20/666	0038 037.11	XUSI02587	LAF150/UNI/OMN20/666	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

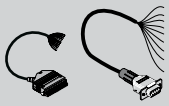
CONNECTION TECHNOLOGY SELECTION GUIDE

SIEMENS S7 300



Multipurpose cable

See chapter
"Connection cables"



interfast 2 Swing arm pre-wired by ENTRELEC

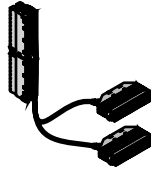
HDI High density range



STI standard range



Sub D range Shielded cable



interfast 3 PLC used has a connector on the card

STI range cable



Modulo 16

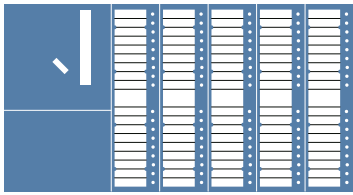


Modulo 8

References	See page	See page	See page
CPU 312 C	Page 19		
CPU 313 C / 313 C - 2 PTP / 313 C - 2 DP	Page 19 / 20		Page 32 Page 34
CPU 314 C - 2 PTP / 314 C - 2 DP	Page 19 / 20		Page 32 Page 34
Boards 32 I DIGITAL			
6ES7321-1BL00-0AA0	Page 21		Page 32 Page 34
6ES7321-1BL80-0AA0	Page 21		Page 32 Page 34
6ES7321-1EL00-0AA0	Page 21		
Boards 32 O DIGITAL			
6ES7322-1BL00-0AA0	Page 21		Page 32 Page 34
6ES7322-1EL00-0AA0	Page 21		
Boards 16 I / 16 O DIGITAL			
6ES7323-1BL00-0AA0	Page 21		Page 32 Page 34
Boards 16 I DIGITAL			
6ES7321-1BH02-0AA0	Page 22		Page 32 Page 34
6ES7321-1BH81-0AA0	Page 22		Page 32 Page 34
6ES7321-1EH01-0AA0	Page 22		
6ES7321-7BH01-0AB0	Page 22		Page 32 Page 34
6ES7321-7BH80-0AB0	Page 22		Page 32 Page 34
6ES7321-1BH50-0AA0	Page 22		Page 32 Page 34
6ES7321-1CH80-0AA0	Page 21		Page 32 Page 34
6ES7321-1FH00-0AA0	Page 21		
Boards 16 O DIGITAL			
6ES7322-1BH01-0AA0			Page 33 Page 35
6ES7322-1BH81-0AA0			Page 33 Page 35
6ES7322-1EH01-0AA0	Page 22		
6ES7322-1HH01-0AA0			
6ES7322-8BH00-0AB0	Page 22		Page 33 Page 35
6ES7322-1FH00-0AA0	Page 21		
Boards 8 I / 8 O DIGITAL			
6ES7323-1BH01-0AA0	Page 23		Page 33 Page 35
6ES7323-1BH81-0AA0	Page 23		Page 33 Page 35
Boards 8 I DIGITAL			
6ES7321-1FF01-0AA0	Page 23		
6ES7321-1FF81-0AA0	Page 23		
Boards 8 O DIGITAL			
6ES7322-1BF01-0AA0	Page 24		Page 35
6ES7322-1FF01-0AA0	Page 23		
6ES7322-1FF81-0AA0	Page 23		
6ES7322-1HF01-0AA0	Page 24		
6ES7322-1HF10-0AA0	Page 24		
6ES7322-1HF80-0AA0	Page 24		
6ES7322-8BF00-0AB0	Page 24		
6ES7322-1HF20-0AA0	Page 21		
6ES7322-5HF00-0AB0	Page 24		
6ES7322-8BF80-0AB0	Page 24		
6ES7322-1CF80-0AA0	Page 23		
Boards 4 I DIGITAL			
6ES7321-7RD00-0AB0	Page 28		
Boards 4 O DIGITAL			
6ES7322-5SD00-0AB0	Page 28		
6ES7322-5RD00-0AB0	Page 28		

CONNECTION TECHNOLOGY SELECTION GUIDE

SIEMENS S7 300



Multipurpose cable

See chapter
"Connection cables"



interfast 2 Swing arm pre-wired by ENTRELEC

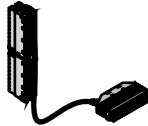
HDI High density range



STI standard range



Sub D range Shielded cable



interfast 3 PLC used has a connector on the card

STI range cable



Module 16



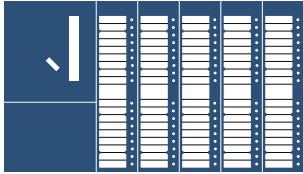
Module 8

References

	See page	See page		
Boards 8 I ANA				
6ES7331-1KF00-0AB0	Page 26	Page 30		
6ES7331-7KF02-0AB0	Page 26	Page 30		
6ES7331-7NF00-0AB0	Page 25	Page 29		
6ES7331-7PF00-0AB0	Page 25	Page 29		
6ES7331-7PF10-0AB0		Page 30		
Boards 8 I ANA				
6ES7331-7SF00-0AB0	Page 28			
Boards 8 O ANA				
6ES7332-5HF00-0AB0	Page 25	Page 29		
Boards 4 I / 4 O ANA				
6ES7335-7HG01-0AB0	Page 26	Page 30		
Boards 4 I / 2 O ANA				
6ES7334-0CE00-0AA0	Page 26	Page 30		
6ES7334-0KE00-0AB0	Page 26	Page 30		
Boards 4 I ANA				
6ES7331-7RD00-0AB0	Page 28			
Boards 4 O ANA				
6ES7332-5HD01-0AB0	Page 26	Page 30		
6ES7332-7ND01-0AB0	Page 26	Page 30		
Boards 4 O ANA				
6ES7332-5RD00-0AB0	Page 28			
Boards 2 I ANA				
6ES7331-7KB02-0AB0	Page 26	Page 31		
6ES7331-7KB81-0AB0	Page 26	Page 31		
Boards 2 O ANA				
6ES7332-5HB01-0AB0	Page 26	Page 31		
6ES7332-5HB81-0AB0	Page 26	Page 31		
Pulse counter				
FM350-1 (6ES7350-1AH02-0AE0)	Page 27			
FM350-2 (6ES7350-2AH02-0AE0)	Page 27			

interfast 1

Siemens PLC PLC S7 300 Swing arm adapted with a connector



■ Wire markers optional:
Consult us

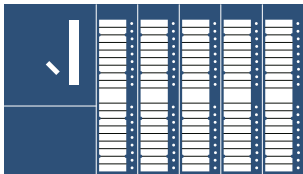
■ Accessories:
see section on ACCESSORIES
Recommended cable lengths in boldface type

Characteristics

Max. voltage	60 V AC / DC
Maximum current per point	1 A
Maximum current in common	4 A x 4 by 0+ 1+ 2+ 3+ 1 A x 4 by the harness
Test voltage	1 kV

interfast 1

Siemens PLC PLC S7 300 Swing arm adapted with a connector



■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES
Recommended cable lengths in boldface type

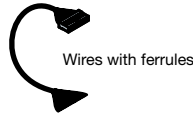
Characteristics

Max. voltage	60 V AC / DC
Maximum current per point	1 A
Maximum current in common	4 A x 4 by 0+ 1+ 2+ 3+ 1 A x 4 by the harness
Test voltage	1 kV

Board DIGITAL



FAS S7300-40
1SNA 020 948 R0100



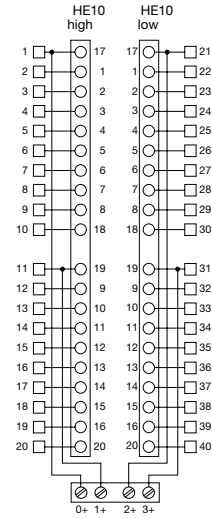
HE 10/20	Colour
1	White
2	Brown
3	Green
4	Yellow
5	Grey
6	Pink
7	Blue
8	Red
9	Black
10	Violet
11	Grey-Pink
12	Red-Blue
13	White-Green
14	Brown-Green
15	White-Yellow
16	Yellow-Brown
17	White-Grey
18	Grey-Brown
19	White-Pink
20	Pink-Brown

Type of cable	Reference with UL cables
LAF100/HE10-20/UNI/662/UL	003 900 706
LAF150/HE10-20/UNI/662/UL	1SNA 039 008 R2500
LAF200/HE10-20/UNI/662/UL	1SNA 039 009 R0600
LAF300/HE10-20/UNI/662/UL	1SNA 039 011 R0400
LAF500/HE10-20/UNI/662/UL	1SNA 039 013 R2200

Type of board	Connector interface	Decoupling interface
Boards 32 I DIGITAL		
6ES7321-1BL0x-0AA0 Kit A (K2)	2 3 6 7	16 optos P
6ES7321-1BL8x-0AA0 Kit A (X2)	2 3 6 7	16 optos P
Boards 32 O DIGITAL		
6ES7322-1BL0x-0AA0 Kit ABC (X2)	2 3 6 7	16 relays N / 16 optos N
Boards 16 I / 16 O DIGITAL		
6ES7323-1BL0x-0AA0 Kit ABC (X2)	2 3 6 7	16 optos P relays N / 16 optos N
Boards 16 I		
6ES7321-1CH0x-0AA0 Kit A (X2)	2 6	
Boards 16 O		
6ES7322-8BH0x-0AB0 Kit A (X2)	2 6	
6ES7322-5GH0x-0AB0 Kit A (X2)	2 6	
Boards 8 O		
6ES7322-1HF2x-0AA0 Kit A (X2)	2 6	
6ES7322-5HF0x-0AB0 Kit A (X2)	2 6	

Type of cable	Reference with UL cables
LA100/HE10-20/OMN20/661/UL	003 900 002
LA150/HE10-20/OMN20/661/UL	003 900 127
LA200/HE10-20/OMN20/661/UL	003 900 220
LA300/HE10-20/OMN20/661/UL	003 900 422
LA500/HE10-20/OMN20/661/UL	003 900 624

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

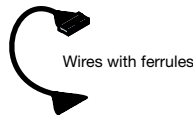


Wiring diagram for FAS S7300-40

Board ANALOG



FAS S7300-40
1SNA 020 948 R0100



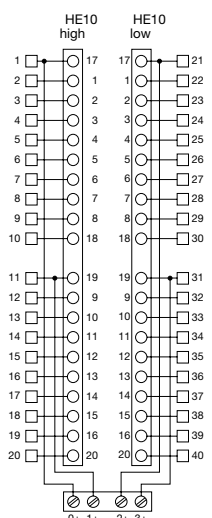
HE 10/20	Colour
1	White
2	Brown
3	Green
4	Yellow
5	Grey
6	Pink
7	Blue
8	Red
9	Black
10	Violet
11	Grey-Pink
12	Red-Blue
13	White-Green
14	Brown-Green
15	White-Yellow
16	Yellow-Brown
17	White-Grey
18	Grey-Brown
19	White-Pink
20	Pink-Brown

Type of cable	Reference with UL cables
LAF100/HE10-20/UNI/662/UL	003 900 706
LAF150/HE10-20/UNI/662/UL	1SNA 039 008 R2500
LAF200/HE10-20/UNI/662/UL	1SNA 039 009 R0600
LAF300/HE10-20/UNI/662/UL	1SNA 039 011 R0400
LAF500/HE10-20/UNI/662/UL	1SNA 039 013 R2200

Type of board	Connector interface	Decoupling interface
Boards 8 I ana		
6ES7331-7NF0x-0AB0 Kit A (X2)	2 6	
6ES7331-1KF0x-0AB0 Kit A (X2)	2 6	
6ES7331-7PF0x-0AB0 Kit A (X2)	2 6	
6ES7331-7NF1x-0AB0 Kit A (X2)	2 6	
Boards 8 O ANA		
6ES7332-5HF0x-0AB0 Kit A (X2)	2 6	

Type of cable	Reference with UL cables
LA100/HE10-20/OMN20/661/UL	003 900 002
LA150/HE10-20/OMN20/661/UL	003 900 127
LA200/HE10-20/OMN20/661/UL	003 900 220
LA300/HE10-20/OMN20/661/UL	003 900 422
LA500/HE10-20/OMN20/661/UL	003 900 624

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



Wiring diagram for FAS S7300-40

interfast 1

Siemens PLC PLC S7 300 Swing arm adapted with a connector



■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES
Recommended cable lengths in boldface type

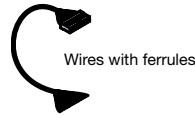
Characteristics

Max. voltage	60 V AC / DC	
Maximum current per point	1 A	
Maximum current in common	4 A x 4 by 0+ 1+ 2+ 3+	1 A x 4 by the harness
Test voltage	1 kV	



FAS S7300-40
1SNA 020 948 R0100

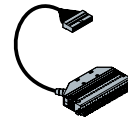
CPU 313 C / 313 C - 2PTP / 313 C - 2 DP CPU 314 C - 2 PTP / 314 C - 2 DP X2 connector (16 I DIGIT / 16 O DIGIT)



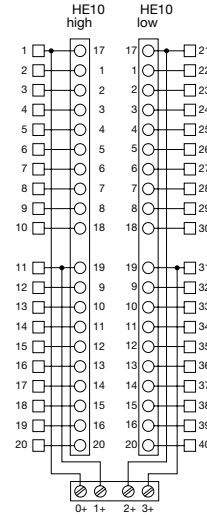
HE 10/20	Colour
1	White
2	Brown
3	Green
4	Yellow
5	Grey
6	Pink
7	Blue
8	Red
9	Black
10	Violet
11	Grey-Pink
12	Red-Blue
13	White-Green
14	Brown-Green
15	White-Yellow
16	Yellow-Brown
17	White-Grey
18	Grey-Brown
19	White-Pink
20	Pink-Brown

Type of cable	Reference with UL cables
LAF100/HE10-20/UNI/662/UL	003 900 706
LAF150/HE10-20/UNI/662/UL	1SNA 039 008 R2500
LAF200/HE10-20/UNI/662/UL	1SNA 039 009 R0600
LAF300/HE10-20/UNI/662/UL	1SNA 039 011 R0400
LAF500/HE10-20/UNI/662/UL	1SNA 039 013 R2200

Type of board	Connector interface	Decoupling interface
		Input Output
Boards 16 I DIGIT./16 O DIGIT.		
6ES7313-5BE00-0AB0		
6ES7313-6BE00-0AB0 Kit ABC (X2)		16 Relays N
6ES7313-6CE00-0AB0 Kit ABC (X2)		16 Optos N
6ES7314-6BF00-0AB0		
6ES7314-6CF00-0AB0		



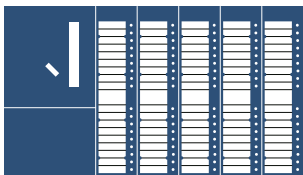
HE 10/20	OMNI 20
1	2
2	3
3	4
4	5
5	6
6	7
7	8
8	9
9	12
10	13
11	14
12	15
13	16
14	17
15	18
16	19
17	1
18	10
19	11
20	20



Wiring diagram for
FAS S7300-40

interfast 1

Siemens PLC PLC S7 300 Swing arm adap- ted with a connector



■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES
Recommended cable lengths in boldface type

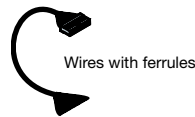
Characteristics

Max. voltage	60 V AC / DC	
Maximum current per point	1 A	
Maximum current in common	4 A x 4 by 0+ 1+ 2+ 3+	1 A x 4 by the harness
Test voltage	1 kV	



FAS S7300-40
1SNA 020 948 R0100

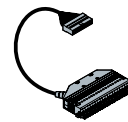
CPU 313 C CPU 314 C - 2 PTP / 314 C - 2 DP X1 connector (8 I DIGIT - 4 I ANA - 2 O ANA)



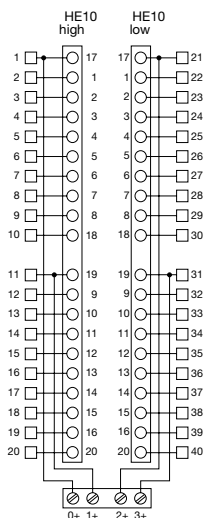
HE 10/20	Colour
1	White
2	Brown
3	Green
4	Yellow
5	Grey
6	Pink
7	Blue
8	Red
9	Black
10	Violet
11	Grey-Pink
12	Red-Blue
13	White-Green
14	Brown-Green
15	White-Yellow
16	Yellow-Brown
17	White-Grey
18	Grey-Brown
19	White-Pink
20	Pink-Brown

Type of cable	Reference with UL cables
LAF100/HE10-20/UNI/662/UL	003 900 706
LAF150/HE10-20/UNI/662/UL	1SNA 039 008 R2500
LAF200/HE10-20/UNI/662/UL	1SNA 039 009 R0600
LAF300/HE10-20/UNI/662/UL	1SNA 039 011 R0400
LAF500/HE10-20/UNI/662/UL	1SNA 039 013 R2200

Type of board	Connector interface	Decoupling interface
Boards 8 I DIGIT./4 I ANA/2 O ANA		
6ES7313-5BE00-0AB0		16 Optos P*
6ES7314-6BF00-0AB0		16 Optos P*
6ES7314-6CF00-0AB0		16 Optos P*



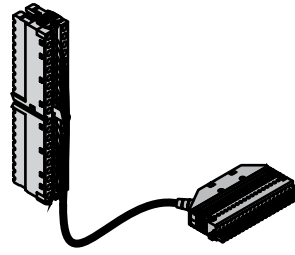
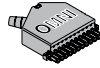
HE 10/20	OMNI 20
1	2
2	3
3	4
4	5
5	6
6	7
7	8
8	9
9	12
10	13
11	14
12	15
13	16
14	17
15	18
16	19
17	1
18	10
19	11
20	20



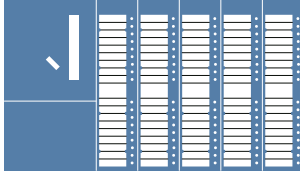
Wiring diagram for
FAS S7300-40

interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



CPU 312 C



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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Characteristics

Length	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		

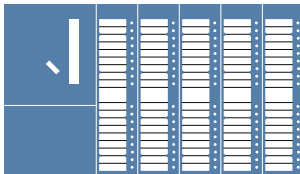
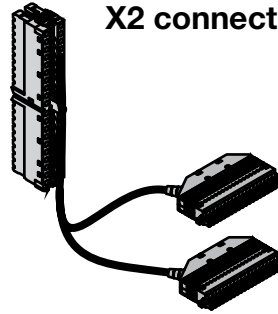
Type of interface connector	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AM00 - 0AA0

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.)



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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

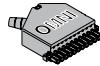
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

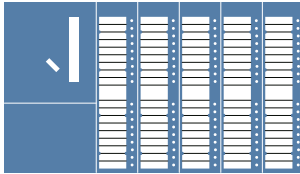
Length	Type of cable	Reference with IEC cables	Reference with UL cables *		
1 m					
1,5 m	FA150/S7 300/2xOMN20/228	0026 516.02	0028 516.14		
2 m	FA200/S7 300/2xOMN20/228	0026 517.03	0028 517.15		
2,5 m					
3 m	FA300/S7 300/2xOMN20/228	0026 519.15	0028 519.27		
4 m					
5 m	FA500/S7 300/2xOMN20/228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

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



■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

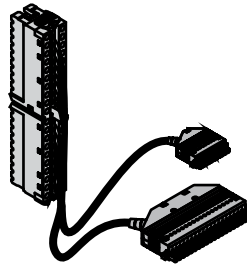
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

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

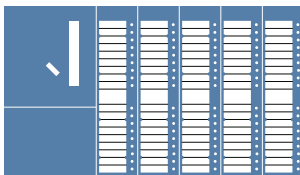
CPU 313 C CPU 314 C - 2 PTP / 314 C - 2 DP X1 connector (8 I DIGIT. - 4 I ANA - 2 O ANA)



interfast 2



Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

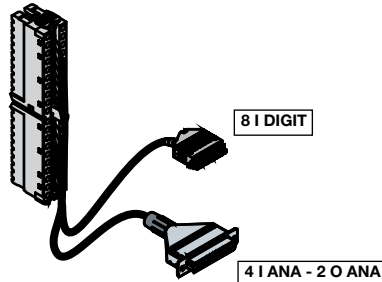
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	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

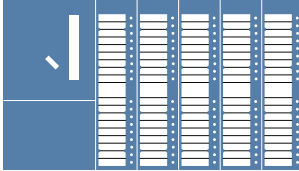
CPU 313 C CPU 314 C - 2 PTP / 314 C - 2 DP X1 connector (8 I DIGIT. - 4 I ANA - 2 O ANA)



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

interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
Consult us

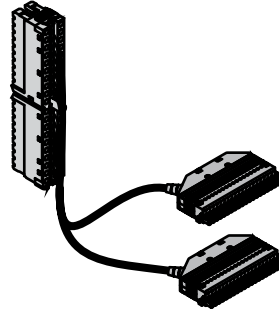
■ Accessories:
see section on ACCESSORIES

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

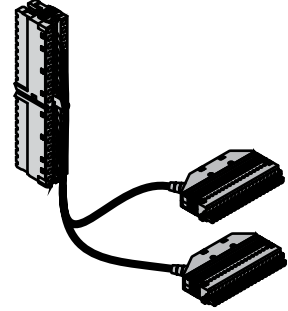
Characteristics

Type of interface connector	2 Omniconnect 20 points			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		

Board 32 I DIGITAL Board 8 O DIGITAL



Board 32 I DIGITAL Board 32 O DIGITAL

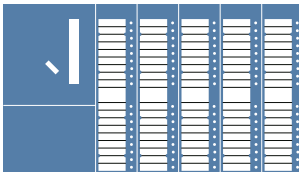


Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 32 I DIGITAL			Boards 32 I DIGITAL		
6ES7321-1BL00-0AA0	2 3 6 7	16 Opto P	6ES7321-1EL00-0AA0	2 6	
6ES7321-1BL80-0AA0	2 3 6 7	16 Opto P	Boards 32 O DIGITAL		
Boards 8 O DIGITAL			6ES7322-1BL00-0AA0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

interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
Consult us

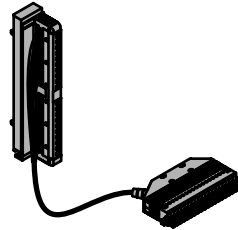
■ Accessories:
see section on ACCESSORIES

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

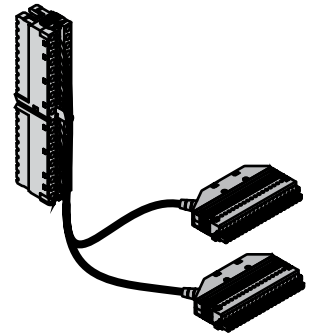
Characteristics

Type of interface connector	1 Omniconnect 20 points			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		

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



Board 16 I / 16 O DIGITAL



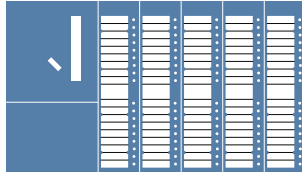
(1) Note : 2 cables per PLC board

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 6		6ES7323-1BL00-0AA0	2 3 6 7	16 Relays N
Boards 16 I DIGITAL					16 Opto P
6ES7321-1CH80-0AA0	2 6				16 Opto N
6ES7321-1FH00-0AA0	2 6				
Boards 16 O DIGITAL					
6ES7322-1FH00-0AA0	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 m	FA100/S7 300/OMN20/063	0029 993.14	0034 993.01	FA150/S7 300/2xOMN20/228	0026 516.02	0028 516.14
1,5 m	FA150/S7 300/OMN20/063	0021 424.01	0027 424.07	FA200/S7 300/2xOMN20/228	0026 517.03	0028 517.15
2 m	FA200/S7 300/OMN20/063	0021 425.02	0027 425.00			
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

interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
Consult us

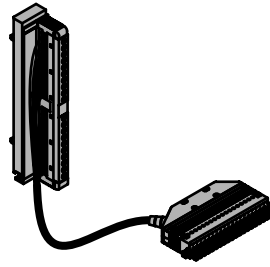
■ Accessories:
see section on ACCESSORIES

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

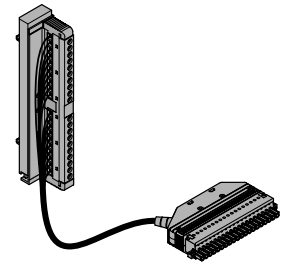
Characteristics

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

Board 16 I DIGITAL



Board 16 I DIGITAL Board 16 O DIGITAL

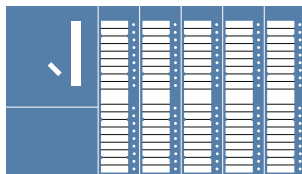


Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL			Boards 16 I DIGITAL		
6ES7321-1BH02-0AA0	2 3	16 Opto P	6ES7321-1EH01-0AA0	2	
6ES7321-1BH50-0AA0	2 3	16 Opto N	6ES7321-7BH01-0AB0	2	
6ES7321-1BH81-0AA0	2 3		6ES7321-7BH80-0AB0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

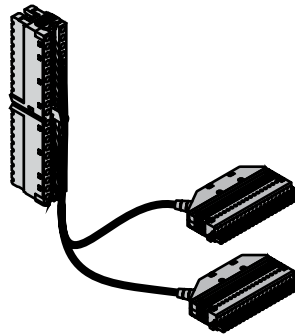
■ Accessories:
see section on ACCESSORIES

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

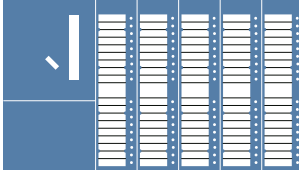


Type of board	Connector interface	Decoupling interface			
Boards 16 O DIGITAL					
6ES7322-8BH00-0AB0	2 3				

Length	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



■ Wire markers optional:
Consult us

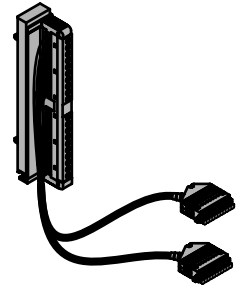
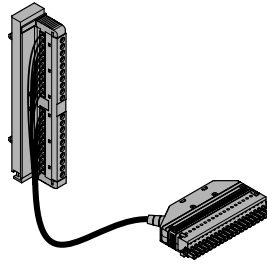
■ Accessories:
see section on ACCESSORIES

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

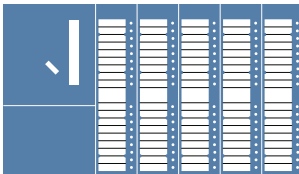


Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8I/8O DIGIT.			Boards 8I/8O DIGIT.		
6ES7323-1BH01-0AA0			6ES7323-1BH01-0AA0		
6ES7323-1BH81-0AA0			6ES7323-1BH81-0AA0		
					8 Relays N
					8 Opto P
					8 Opto N
					8 Relays N
		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

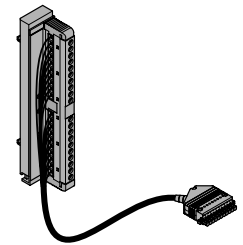
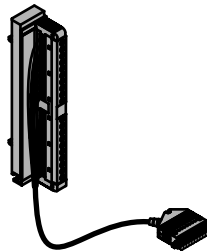
■ Accessories:
see section on ACCESSORIES

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



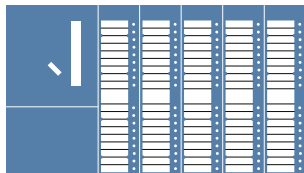
⁽¹⁾ Common by group of 4

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			6ES7322-1FF01-0AA0		
6ES7321-1FF81-0AA0			6ES7322-1FF81-0AA0		
Boards 8 O DIGITAL					
6ES7322-1CF80-0AA0 ⁽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 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

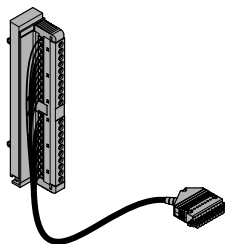
■ Accessories:
see section on ACCESSORIES

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

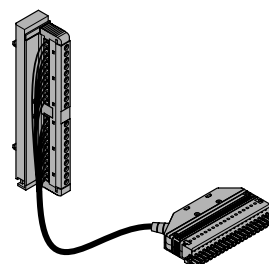
Characteristics

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		

Board 8 O DIGITAL



Board 8 O DIGITAL



⁽¹⁾ Series output without diode

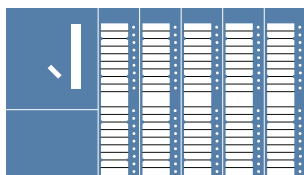
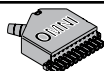
⁽²⁾ Common by group of 8

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O DIGITAL	0 1 1		Boards 8 O DIGITAL	2 3	
6ES7322-1BF01-0AA0 ⁽²⁾	0 1 1	8 Relays N / 8 Opto N	6ES7322-1HF01-0AA0	2 3	
6ES7322-8BF00-0AB0 ⁽¹⁾	0 1 1	8 Relays N / 8 Opto N	6ES7322-8BF00-0AB0	2 3	
6ES7322-8BF80-0AB0 ⁽¹⁾	0	8 Relays N / 8 Opto N	6ES7322-8BF80-0AB0		
6ES7322-1CF80-0AA0 ⁽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	FA150/S7 300/OMN12/068	0021 454.17	0027 454.15	FA150/S7 300/OMN20/069	0021 460.21	0027 460.27
1,5 m	FA200/S7 300/OMN12/068	0021 455.10	0027 455.16	FA200/S7 300/OMN20/069	0021 461.16	0027 461.14
2 m						
2,5 m	FA300/S7 300/OMN12/068	0021 457.12	0027 457.10	FA300/S7 300/OMN20/069	0021 463.10	0027 463.16
3 m						
4 m	FA500/S7 300/OMN12/068	0021 459.24	0027 459.22	FA500/S7 300/OMN20/069	0021 465.12	0027 465.10
5 m						

interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
Consult us

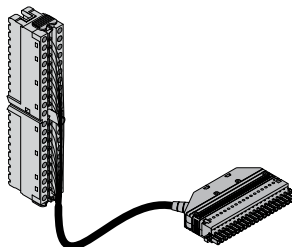
■ Accessories:
see section on ACCESSORIES

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

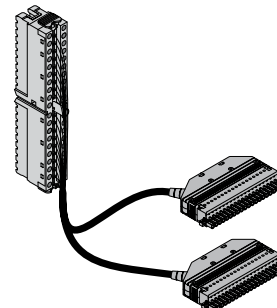
Characteristics

Type of interface connector	1 Omniconnect 20 points			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		

Board 8 O DIGITAL



Board 8 O DIGITAL

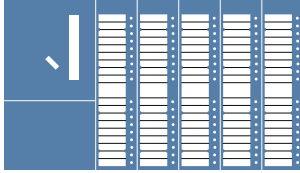


Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O DIGITAL			Boards 8 O DIGITAL		
6ES7322-1HF10-0AA0	2 3		6ES7322-5HF00-0AB0	2 3 4	
6ES7322-1HF80-0AA0	2 3				

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				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

interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
Consult us

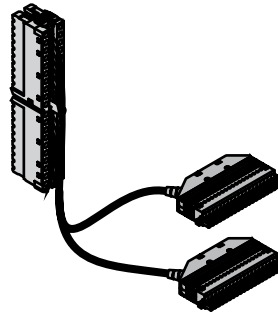
■ Accessories:
see section on ACCESSORIES

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 - 1AM00 - 0AA0	6ES7392 - 1AM00 - 0AA0

Board 8 I ANA

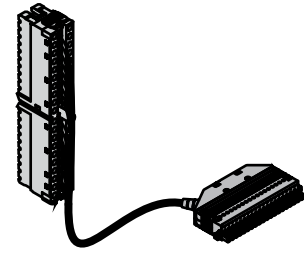


I VOLTAGE / I CURRENT

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

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 300/2xOMN20/060	0029 990.25	0034 990.12			
1,5 m	FA150/S7 300/2xOMN20/060	0021 406.10	0027 406.16	FA150/S7 300/OMN20/552	0036 420.10	0037 420.11
2 m	FA200/S7 300/2xOMN20/060	0021 407.11	0027 407.17	FA200/S7 300/OMN20/552	0036 421.05	0037 421.06
2,5 m						
3 m	FA300/S7 300/2xOMN20/060	0021 409.23	0027 409.21	FA300/S7 300/OMN20/552	0036 423.07	0037 423.00
4 m						
5 m	FA500/S7 300/2xOMN20/060	0021 411.04	0027 411.02	FA500/S7 300/OMN20/552	0036 425.01	0037 425.02

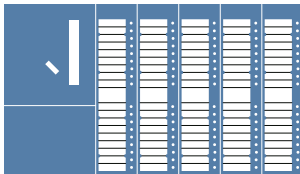
Board 8 I ANA



I VOLTAGE

interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
Consult us

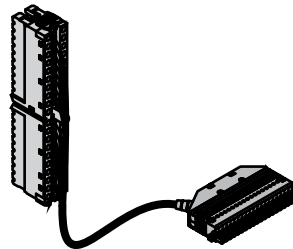
■ Accessories:
see section on ACCESSORIES

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

Characteristics

Type of interface connector	1 Omniconnect 20 points	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

Board 8 I ANA

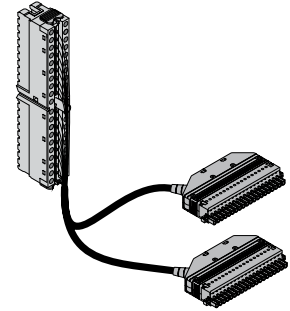


I CURRENT

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

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						
1,5 m	FA150/S7 300/OMN20/547	0036 390.22	0037 390.23	FA150/S7 300/2xOMN20/596	0036 630.22	0037 630.23
2 m	FA200/S7 300/OMN20/547	0036 391.17	0037 391.10	FA200/S7 300/2xOMN20/596	0036 631.17	0037 631.10
2,5 m						
3 m	FA300/S7 300/OMN20/547	0036 393.11	0037 393.12	FA300/S7 300/2xOMN20/596	0036 633.11	0037 633.12
4 m						
5 m	FA500/S7 300/OMN20/547	0036 395.13	0037 395.14	FA500/S7 300/2xOMN20/596	0036 635.13	0037 635.14

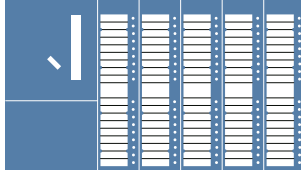
Board 8 I ANA Board 8 O ANA



interfast 2



Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



Wire markers optional:
Consult us

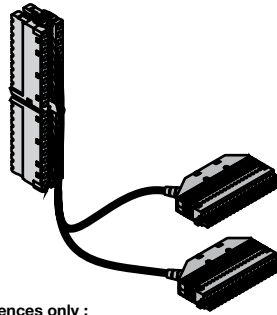
Accessories:
see section on ACCESSORIES

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

Characteristics

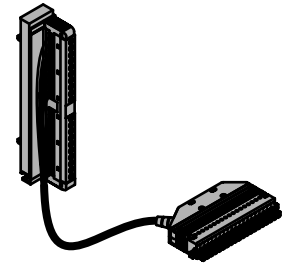
Type of interface connector	2 Omniconnect 20 points			1 Omniconnect 20 points		
Wire size	0,22mm ² - 24 AWG			0,22mm ² - 24 AWG		
Resistance/capacity cable	80 Ω/KM - 120 nF/KM			80 Ω/KM - 120 nF/KM		
PLC connector reference	6ES7392 - 1AM00 - 0AA0			6ES7392 - 1AJ00 - 0AA0		

Board 8 I ANA



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

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



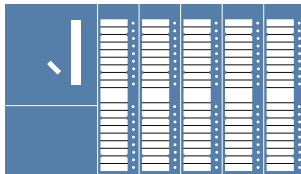
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA			Boards 8 I ANA		
6ES7331-1KF00-0AB0			6ES7331-7KF02-0AB0		
			Boards 4 I / 2 O ANA		
			6ES7334-0CE00-0AA0		
			6ES7334-0KE00-0AB0		
			Boards 4 O ANA		
			6ES7332-5HD01-0AB0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

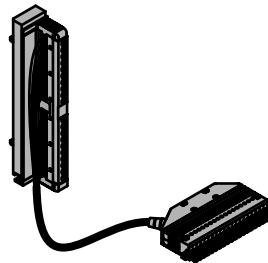
Accessories:
see section on ACCESSORIES

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

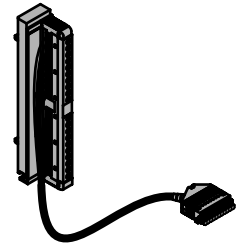
Characteristics

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

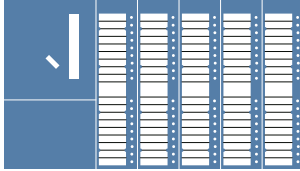


Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 I / 4 O ANA			Boards 2 I ANA		
6ES7335-7HG01-0AB0			6ES7331-7KB02-0AB0		
			6ES7331-7KB81-0AB0		
			Boards 2 O ANA		
			6ES7332-5HB01-0AB0		
			6ES7332-5HB81-0AB0		

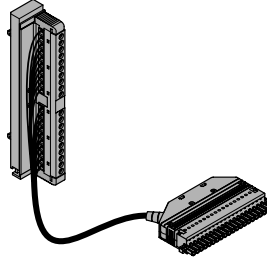
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/S7 300/OMN20/063	0029 993.14	0034 993.01	FA150/S7 300/OMN12/550	0036 408.21	0037 408.22
1,5 m	FA150/S7 300/OMN20/063	0021 424.01	0027 424.07	FA200/S7 300/OMN12/550	0036 409.22	0037 409.23
2 m	FA200/S7 300/OMN20/063	0021 425.02	0027 425.00			
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

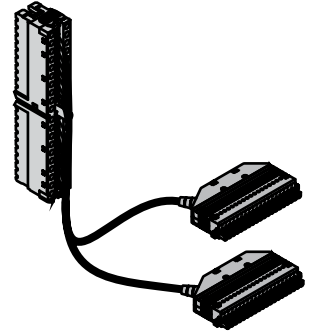
Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



FM 350 - 1



FM 350 - 2



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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

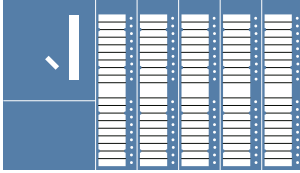
Length	FM 350 - 1			FM 350 - 2		
	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/S7 300/OMN20/063	0029 993.14	0034 993.01			
1,5 m	FA150/S7 300/OMN20/063	0021 424.01	0027 424.07	FA150/S7 300/2xOMN20/642	0036 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

Characteristic	FM 350 - 1	FM 350 - 2
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



Wire markers optional:
Consult us

Accessories:
see section on ACCESSORIES

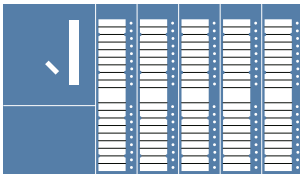
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Omniconnect 12 points			1 Omniconnect 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



Wire markers optional:
Consult us

Accessories:
see section on ACCESSORIES

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

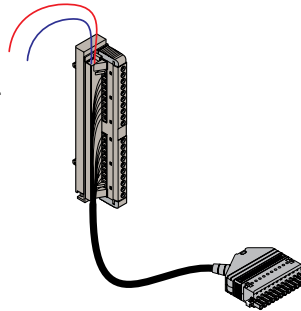
Characteristics

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	6ES7392 - 1AJ00 - 0AA0 + 6ES7393 - 4AA00 - 0AA0		



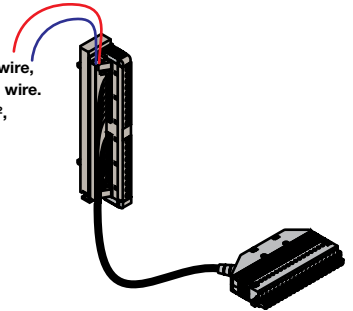
Board 4 I DIGITAL Board 4 O DIGITAL

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.



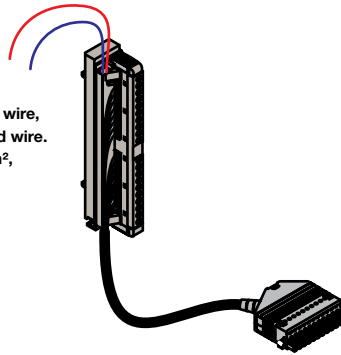
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 I DIGITAL			Boards 4/8 O ANA		
6ES7321-7RD00-0AB0			6ES7331-7SF00-0AB0		
Boards 4 O DIGITAL					
6ES7322-5SD00-0AB0					
6ES7322-5RD00-0AB0					

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						
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



Board 4 I ANA Board 4 O ANA

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



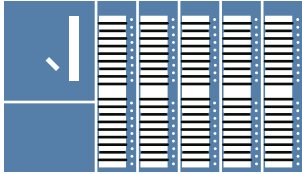
Type of board	Connector interface	Decoupling interface			
Boards 4 I ANA					
6ES7331-7RD00-0AB0					
Boards 4 O ANA					
6ES7332-5RD00-0AB0					

Length	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		

interfast 2



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



■ Wire markers optional:
Consult us

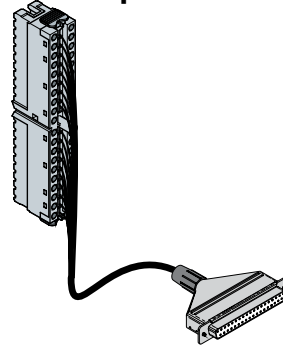
■ Accessories:
see section on ACCESSORIES

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

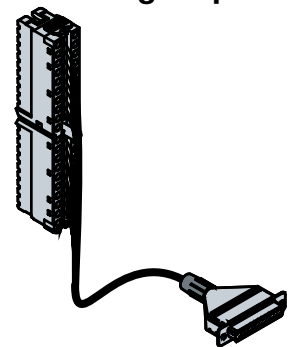
Characteristics

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

Board 8 I ANA 8 Current Input or Voltage



Board 8 I ANA 8 Voltage Input



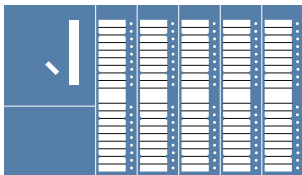
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA			Boards 8 I ANA		
6ES7331-7NF00-0AB0	Sub D 37		6ES7331-7NF00-0AB0	Sub D 25	

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

interfast 2



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



■ Wire markers optional:
Consult us

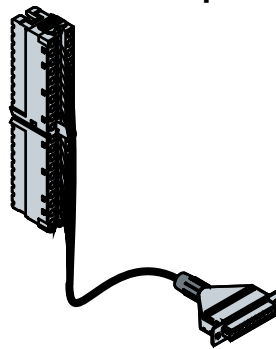
■ Accessories:
see section on ACCESSORIES

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

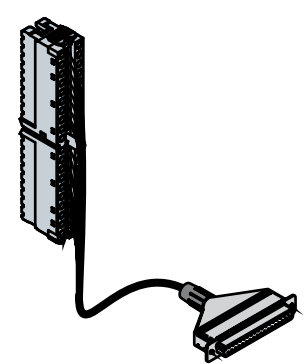
Characteristics

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

Board 8 I ANA 8 Current Input



Board 8 I ANA Board 8 O ANA

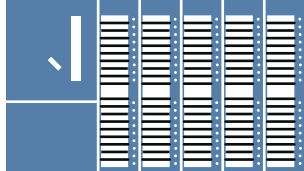


Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA			Boards 8 I ANA		
6ES7331-7NF00-0AB0	Sub D 25		6ES7331-7PF00-0AB0	Sub D 37	
			Boards 8 O ANA		
			6ES7332-5HF00-0AB0	Sub D 37	

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

interfast 2

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



■ Wire markers optional:
Consult us

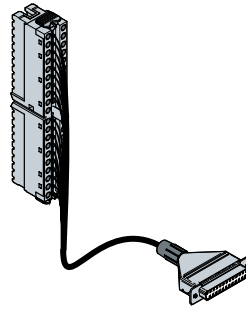
■ Accessories:
see section on ACCESSORIES

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

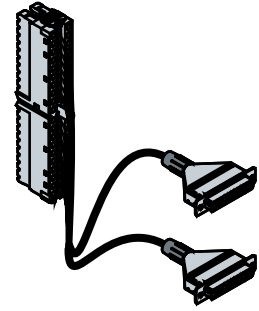
Characteristics

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

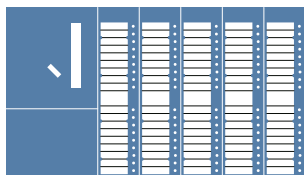


Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA			Boards 8 I ANA		
6ES7331-7PF10-0AB0	Sub D 25		6ES7331-1KF00-0AB0	Sub D 25	

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

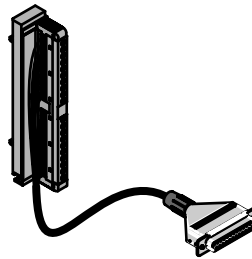
■ Accessories:
see section on ACCESSORIES

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

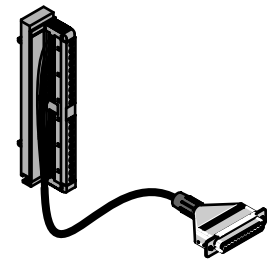
Characteristics

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

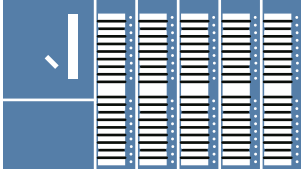


Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA			Boards 4 I / 4 O ANA		
6ES7331-7KF02-0AB0	Sub D 25		6ES7335-7HG01-0AB0	Sub D 25	
Boards 4 I / 2 O ANA					
6ES7334-0CE00-0AA0	Sub D 25				
6ES7334-0KE00-0AB0	Sub D 25				
Boards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

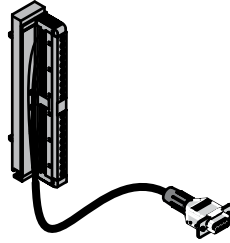
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	FA150/S7 300/SubD25/057	0021 388.25	0027 388.23	FA150/S7 300/SubD25/057	0021 388.25	0027 388.23
2 m	FA200/S7 300/SubD25/057	0021 389.26	0027 389.24	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

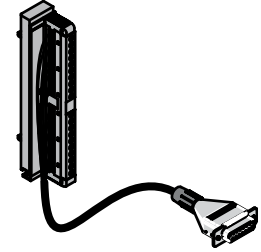
Siemens PLC S7 300
Swing arm with cable and
Sub D connector



Board 2 I ANA



Board 2 O ANA



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	

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

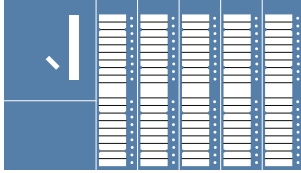
Length	Board 2 I ANA			Board 2 O ANA		
	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	FA150/S7 300/SubD9/058	0021 394.13	0027 394.11	FA150/S7 300/SubD15/059	0021 400.26	0027 400.24
2 m	FA200/S7 300/SubD9/058	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

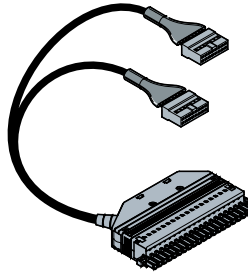
	Board 2 I ANA	Board 2 O ANA
Type of interface connector	1 Sub D 9 female points	1 Sub D 15 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AJ00 - 0AA0	6ES7392 - 1AJ00 - 0AA0

interfast 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 : 2 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			16 Relays N
6ES7313-6CE00-0AB0		16 Opto P	16 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

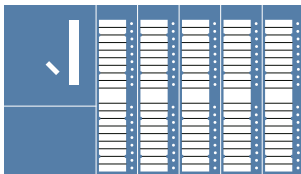
Length	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m			
1,5 m	LA150/2xHE10-16/OMN20/295/UL		0028 906.24
2 m	LA200/2xHE10-16/OMN20/295/UL		0028 907.25
2,5 m			
3 m	LA300/2xHE10-16/OMN20/295/UL		0028 909.07
4 m			
5 m	LA500/2xHE10-16/OMN20/295/UL		0028 911.10

Characteristics

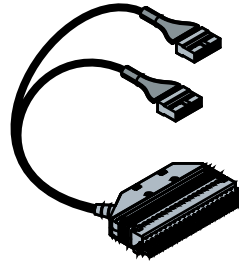
Type of interface connector	1 Omniconnect 20 points
Wire size	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM
PLC connector reference	2 HE 10/16 points

interfast 3

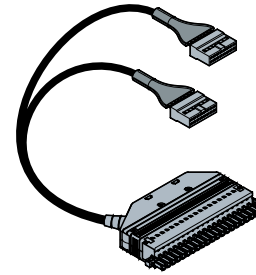
Siemens PLC S7 300
PLC board with built-in
connector. Cable with
Omniconnect connector



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

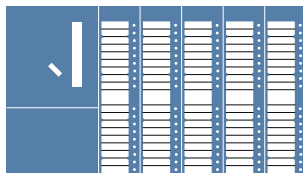
Length	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m			
1,5 m	LA150/2xHE10-16/OMN20/295/UL		0028 906.24
2 m	LA200/2xHE10-16/OMN20/295/UL		0028 907.25
2,5 m			
3 m	LA300/2xHE10-16/OMN20/295/UL		0028 909.07
4 m			
5 m	LA500/2xHE10-16/OMN20/295/UL		0028 911.10

Characteristics

Type of interface connector	1 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

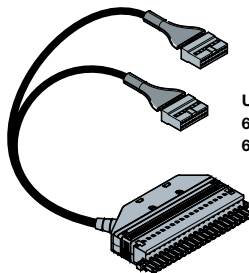


■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

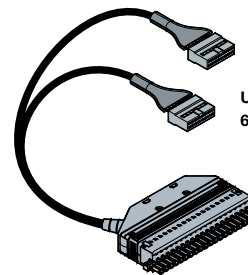
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Board 16 O DIGITAL



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

Board 16 O DIGITAL



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		16 Relays N / 16 Opto N	6ES7322-8BH00-0AB0		
6ES7322-1BH81-0AA0					

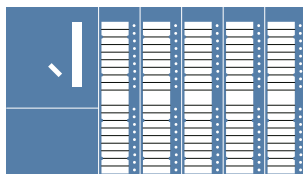
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	LA150/2xHE10-16/OMN20/295/UL		0028 906.24	LA150/2xHE10-16/OMN20/295/UL		0028 906.24
2 m	LA200/2xHE10-16/OMN20/295/UL		0028 907.25	LA200/2xHE10-16/OMN20/295/UL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

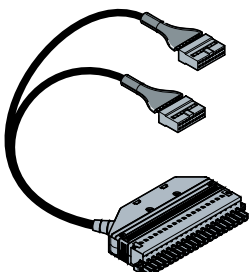


■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Board 8 I / 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					
6ES7323-1BH81-0AA0					
Boards 8 O DIGITAL					
6ES7322-8BF00-0AA0					
6ES7322-8BF80-0AA0					

Length	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

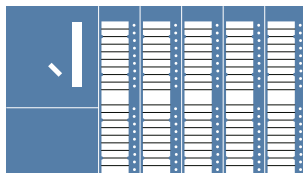
Characteristics

Type of interface connector	1 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



Wire markers optional:
Consult us

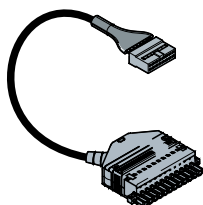
Accessories:
see section on ACCESSORIES

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	0,14 mm ² - 26 AWG	
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	
PLC connector reference	1 HE 10/16 points	

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

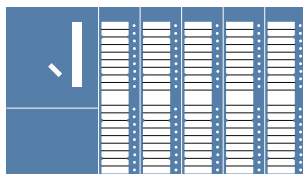
Type of board	Connector interface	Decoupling interface	
		Input	Output
Boards 16 I / 16 O DIGITAL			
6ES7313-5BE00-0AB0			
6ES7313-6BE00-0AB0			8 Relays N
6ES7313-6CE00-0AB0		8 Opto P	8 Opto N
6ES7314-6BF00-0AB0			
6ES7314-6CF00-0AB0			

Length	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
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

interfast 3



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



Wire markers optional:
Consult us

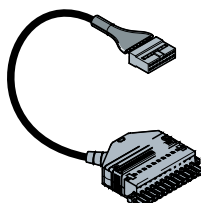
Accessories:
see section on ACCESSORIES

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	0,14 mm ² - 26 AWG	
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	
PLC connector reference	1 HE 10/16 points	

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



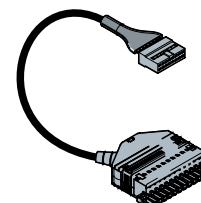
Use with frontal connector :
6ES7921-3AA20-0AA0

Note : 4 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			

Note : 2 cables per PLC board

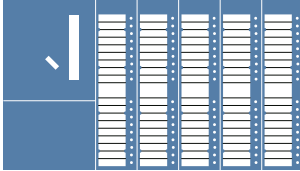
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	LA150/HE10-16/OMN12/296/UL		0028 912.11	LA150/HE10-16/OMN12/296/UL		0028 912.11
2 m	LA200/HE10-16/OMN12/296/UL		0028 913.12	LA200/HE10-16/OMN12/296/UL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



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

interfast 3

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



■ Wire markers optional:
Consult us

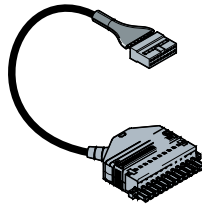
■ Accessories:
see section on ACCESSORIES

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

Characteristics

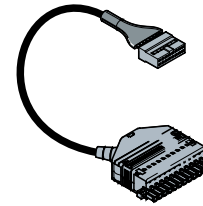
Type of interface connector	1 Omniconnect 12 points
Wire size	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM
PLC connector reference	1 HE 10/16 points

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

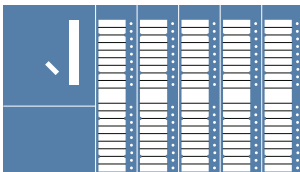
Note : 4 cables per PLC board

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

interfast 3

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



■ Wire markers optional:
Consult us

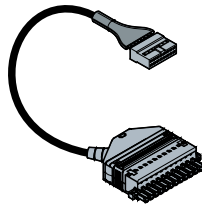
■ Accessories:
see section on ACCESSORIES

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

Characteristics

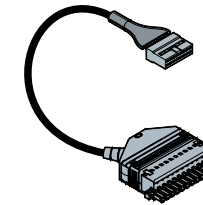
Type of interface connector	1 Omniconnect 12 points
Wire size	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM
PLC connector reference	1 HE 10/16 points

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

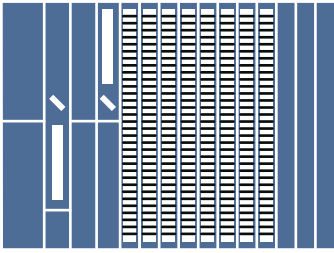
(1) Common by group of 8

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			8 Relays N	6ES7322-1BF01-0AA0 (1)		8 Relays N
6ES7323-1BH81-0AA0		8 Opto P	8 Opto N			
Boards 8 O DIGITAL						
6ES7322-8BF00-0AA0						
6ES7322-8BF80-0AA0						

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

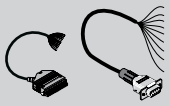
CONNECTION TECHNOLOGY SELECTION GUIDE

SIEMENS S7 400



Multipurpose cable

See chapter
"Connection cables"



interfast 2

Swing arm pre-wired by ENTRELEC

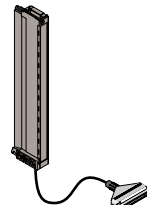
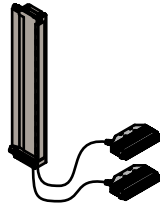
HDI High density range



STI standard range



Sub D range Shielded cable



interfast 3

PLC used has a connector on the card

STI range cable



Modulo 16

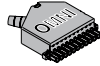


Modulo 8

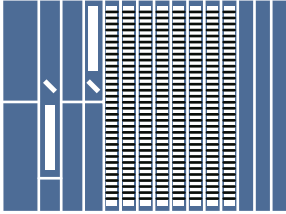
References

	See page		See page	See page
Boards 32 I DIGITAL				
6ES7421-1BL01-0AA0	Page 37		Page 44	Page 44
6ES7421-1EL00-0AA0	Page 37			
6MD1021-0AA00-0AA0	Page 39			
Boards 32 O DIGITAL				
6ES7422-1BL00-0AA0	Page 37		Page 44	Page 44
6ES7422-7BL00-0AB0			Page 44	Page 44
6MD1022-0AA0-0AA0	Page 39			
Boards 16 I DIGITAL				
6ES7421-7DH00-0AB0	Page 37		Page 44	Page 44
6ES7421-1FH00-0AA0	Page 37			
6ES7421-5EH00-0AA0	Page 37		Page 44	Page 44
6ES7421-7BH00-0AB0	Page 37			
6ES7421-1FH20-0AA0	Page 37			
Boards 16 O DIGITAL				
6ES7422-1BH11-0AA0	Page 38			Page 44
6ES7422-1FH00-0AA0	Page 37			
6ES7422-1HH00-0AA0	Page 38			
6ES7422-5EH10-0AB0	Page 38			Page 44
6ES7422-5EH00-0AB0	Page 37			
Boards 8 O DIGITAL				
6ES7422-1FF00-0AA0	Page 38			
Boards 32 I ANA				
6MD1031-0AA00-0AA0	Page 39	Page 43		
6MD1031-0BA00-0AA0	Page 39	Page 43		
Boards 16 I ANA				
6ES7431-7QH00-0AB0	Page 41	Page 42		
6ES7431-0HH00-0AB0	Page 41	Page 42		
6MD1032-0AA00-0AA0	Page 39	Page 43		
6MD1032-0BA00-0AA0	Page 39	Page 43		
Boards 8 I ANA				
6ES7431-1KF00-0AB0	Page 41	Page 42		
6ES7431-1KF10-0AB0	Page 41	Page 42		
6ES7431-1KF20-0AB0	Page 41	Page 42		
6ES7431-7KF10-0AB0	Page 41	Page 42		
6ES7431-7KF00-0AB0	Page 41	Page 42		
Boards 8 O ANA				
6ES7432-1HF00-0AB0	Page 41	Page 42		
Pulse counter				
FM 455 C	Page 40			

interfast 2



Siemens PLC S7 400
Swing arm with cable and
Omniconnect connectors



Wire markers optional:
Consult us

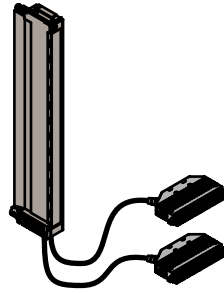
Accessories:
see section on ACCESSORIES

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

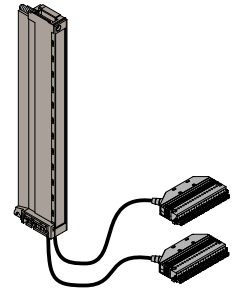
Characteristics

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		

Board 32 I DIGITAL Board 32 O DIGITAL



Board 32 I DIGITAL Board 16 I DIGITAL



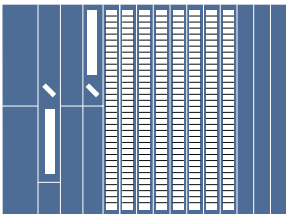
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 32 I DIGITAL 6ES7421-1BL01-0AA0		16 Opto P	Boards 32 I DIGITAL 6ES7421-1EL00-0AA0		
Boards 32 O DIGITAL 6ES7422-1BL00-0AA0		16 Relays N / 16 opto N	Boards 16 I DIGITAL 6ES7421-7DH00-0AB0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

interfast 2



Siemens PLC S7 400
Swing arm with cable and
Omniconnect connectors



Wire markers optional:
Consult us

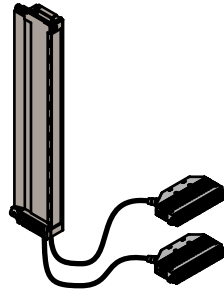
Accessories:
see section on ACCESSORIES

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

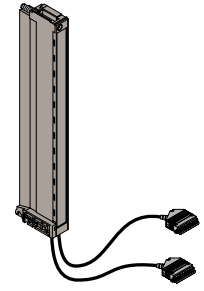
Characteristics

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		

Board 16 I DIGITAL Board 16 O DIGITAL



Board 16 I DIGITAL Board 16 O DIGITAL

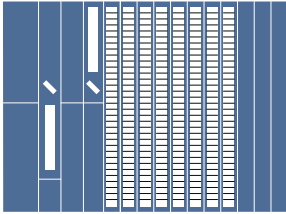


Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL 6ES7421-7BH00-0AB0			Boards 16 I DIGITAL 6ES7421-1FH00-0AA0		
6ES7421-5EH00-0AA0			6ES7421-1FH00-0AA0		
Boards 16 O DIGITAL 6ES7422-5EH00-0AB0			Boards 16 O DIGITAL 6ES7422-1FH00-0AA0		

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

interfast 2

Siemens PLC S7 400
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
Consult us

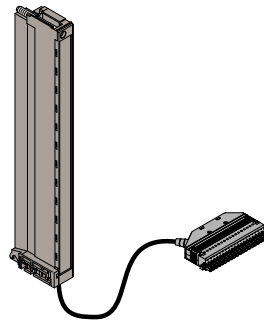
■ Accessories:
see section on ACCESSORIES

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

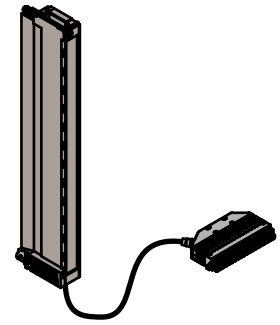
Characteristics

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

Board 16 O DIGITAL



Board 16 O DIGITAL



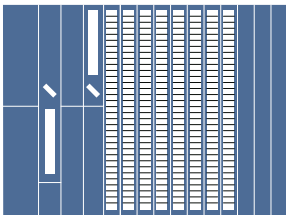
⁽¹⁾ For 24 VDC only

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

interfast 2

Siemens PLC S7 400
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
Consult us

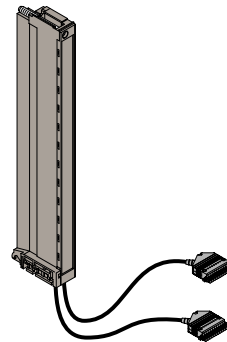
■ Accessories:
see section on ACCESSORIES

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

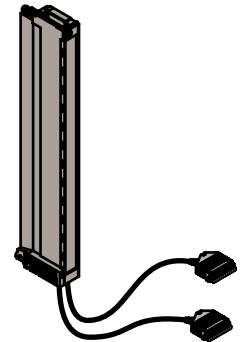
Characteristics

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

Board 16 O DIGITAL



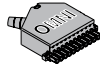
Board 8 O DIGITAL



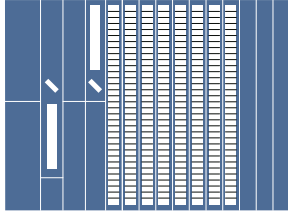
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGITAL 6ES7422-1HH00-0AA0			Boards 8 O DIGITAL 6ES7422-1FF00-0AA0		

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

interfast 2



Siemens PLC S7 400
Swing arm with cable and
Omniconnect connectors

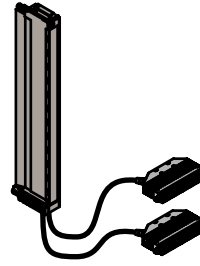


■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Safety board 32 I DIGITAL Safety board 32 O DIGITAL



WITH CONNECTOR
INTERFACE

WITH DECOUPLING
INTERFACE

⁽¹⁾ For 24 VDC only

⁽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 3 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

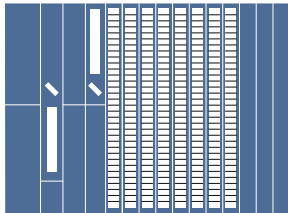
Characteristics

Type of interface connector	2 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

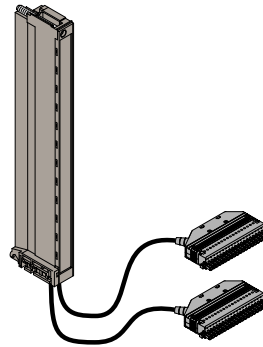


■ Wire markers optional:
Consult us

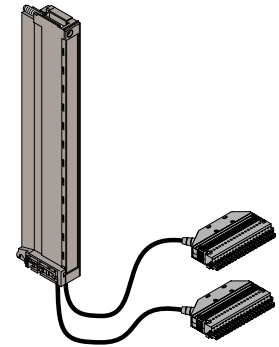
■ Accessories:
see section on ACCESSORIES

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

Safety board 32 I 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 3		6MD1032-0AA00-0AA0	2 3 6	
6MD1031-0BA00-0AA0	2 3		6MD1032-0BA00-0AA0	2 3 6	

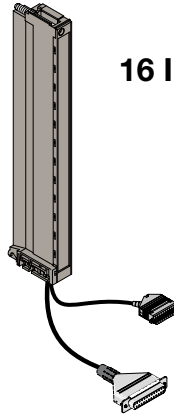
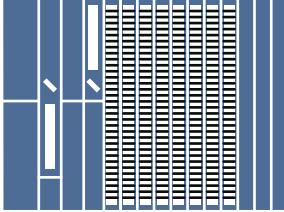
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/S7 400/2xOMN20/539	0036 342.25	0037 342.26	FA150/S7 400/2xOMN20/541	0036 354.21	0037 354.22
2 m	FA200/S7 400/2xOMN20/539	0036 343.26	0037 343.27	FA200/S7 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

Characteristics

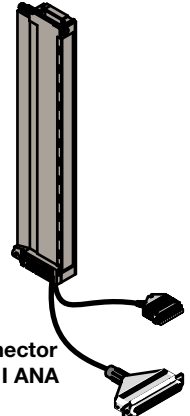
Type of interface connector	2 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7492 - 1CL00 - 0AA0	6ES7492 - 1CL00 - 0AA0

interfast 2

Siemens PLC S7 400
Swing arm with cable and
Omniconnect connectors



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			FM 455 C		
	and Sub D 25			and Sub D 37	

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

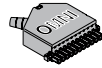
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

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

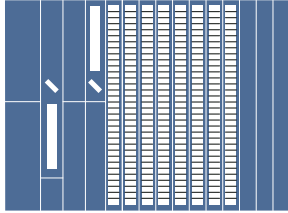
Characteristics

Type of interface connector	1 Omniconnect 12 poles + 1 Sub D 25	1 Omniconnect 12 poles + 1 Sub D 37
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

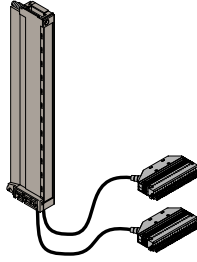


■ Wire markers optional:
Consult us

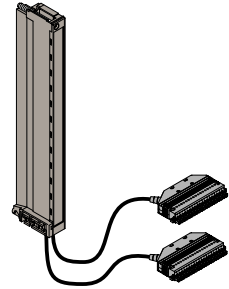
■ Accessories:
see section on ACCESSORIES

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

Board 16 I ANA Board 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

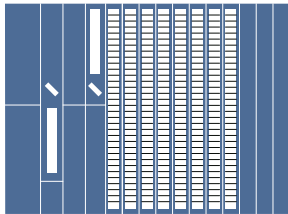
Characteristics

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

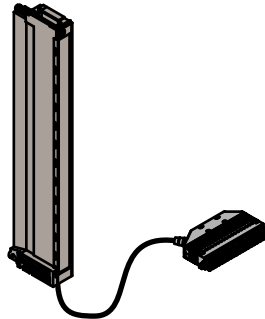


■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Board 8 I ANA



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 *		
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		

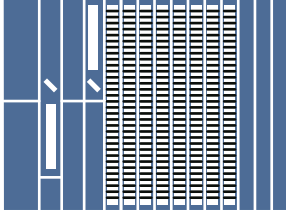
Characteristics

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



■ Wire markers optional:
Consult us

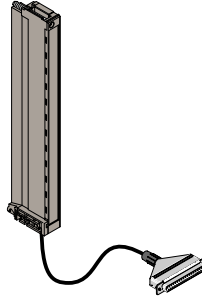
■ Accessories:
see section on ACCESSORIES

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

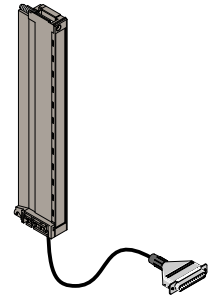
Characteristics

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

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



Board 8 I ANA



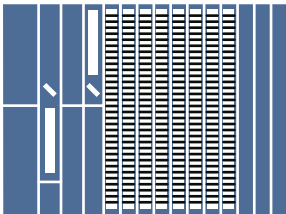
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I ANA			Boards 8 I ANA		
6ES7431-7QH00-0AB0	Sub D 37		6ES7431-1KF10-0AB0	Sub D 25	
6ES7431-0HH00-0AB0	Sub D 37		6ES7431-1KF20-0AB0	Sub D 25	
Boards 8 I ANA					
6ES7431-1KF00-0AB0	Sub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

interfast 2



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



■ Wire markers optional:
Consult us

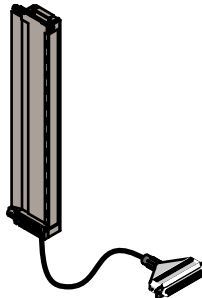
■ Accessories:
see section on ACCESSORIES

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

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

Board 8 I ANA



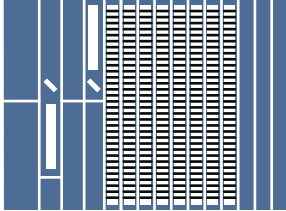
Type of board	Connector interface	Decoupling interface			
Boards 8 I ANA					
6ES7431-7KF00-0AB0	Sub D 37				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *		
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		

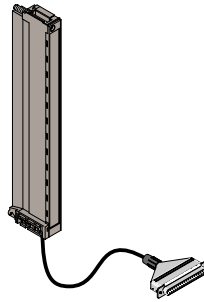
interfast 2



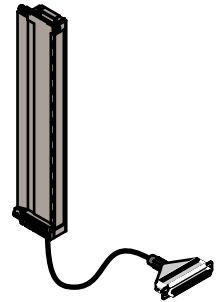
Siemens PLC S7 400
Swing arm with cable and
Sub D connectors



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	Sub D 37		6MD1032-0AA00-0AA0	Sub D 37	
6MD1031-0BA00-0AA0	Sub D 37		6MD1032-0BA00-0AA0	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

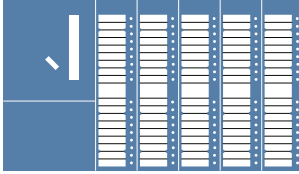
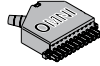
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/S7 400/SUBD37/412	0029 590.24	0034 590.11	FA150/S7 400/SUBD37/413	0029 596.16	0034 596.03
2 m	FA200/S7 400/SUBD37/412	0029 591.11	0034 591.06	FA200/S7 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

interfast 3

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

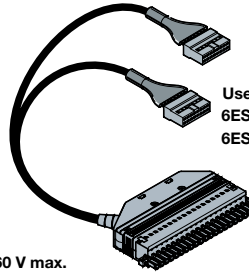


■ Wire markers optional:
Consult us

■ 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

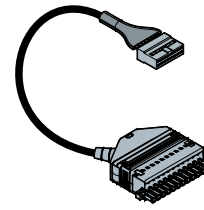


Use with frontal connector :
6ES7921-4AA00-0AA0
6ES7921-4AB00-0AA0

⁽¹⁾ To 60 V max.

Note : 2 cables per PLC board

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 : 4 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		
6ES7421-1BL01-0AA0		16 Opto P	6ES7421-1BL01-0AA0		8 Opto P
Boards 32 O DIGITAL			Boards 32 O DIGITAL		
6ES7422-1BL00-0AA0		16 Relays N / 16 Opto N	6ES7422-1BL00-0AA0		8 Relays N / 8 Opto N
6ES7422-7BL00-0AB0		16 Relays N / 16 Opto N	6ES7422-7BL00-0AB0		8 Relays N / 8 Opto N
Boards 16 I DIGIT.			Boards 16 I DIGIT.		
6ES7421-7DH00-0AB0			6ES7421-7DH00-0AB0		
6ES7421-5EH00-0AA0 ⁽¹⁾			6ES7421-5EH00-0AA0 ⁽¹⁾		

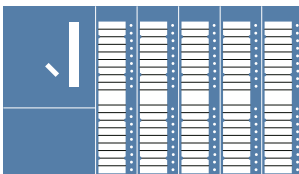
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/2xHE10-16/OMN20/295/UL		0028 906.24	LA150/HE10-16/OMN12/296/UL		0028 912.11
2 m	LA200/2xHE10-16/OMN20/295/UL		0028 907.25	LA200/HE10-16/OMN12/296/UL		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

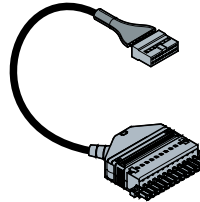


■ Wire markers optional:
Consult us

■ 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					
6ES7422-1BH11-0AA0		8 Relays N ⁽²⁾ / 8 Opto N ⁽²⁾			
6ES7422-5EH10-0AB0 ⁽¹⁾					

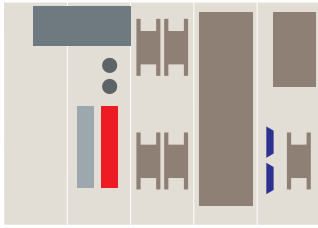
Length	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/HE10-16/OMN12/297/UL		0028 918.27
2 m	LA200/HE10-16/OMN12/297/UL		0028 919.20
2,5 m			
3 m	LA300/HE10-16/OMN12/297/UL		0028 921.12
4 m			
5 m	LA500/HE10-16/OMN12/297/UL		0028 923.14

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

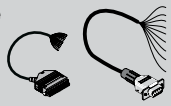
CONNECTION TECHNOLOGY SELECTION GUIDE

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



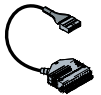
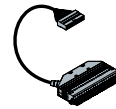
Sub D range Shielded cable



interfast 3

PLC used has a connector on the card

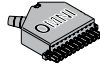
STI range cable



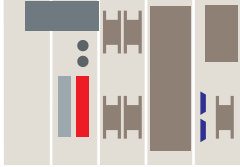
References

	See page	See page	See page	See page
Boards 32I / 32O DIGITAL				
TSX DMZ 64 DTK				Page 50
Boards 32 I DIGITAL				
TSX DEZ 32D2		Page 46		
Boards 32 O DIGITAL				
TSX DSZ 32T2		Page 46		
TSX DSZ 32R5		Page 46		
Boards 16I / 12O DIGITAL				
TSX DMZ 28 DTK				Page 50
TSX DMZ 28 AR		Page 46		
TSX DMZ 28 DR		Page 46		
TSX DMZ 28 DT		Page 46		
Boards 12I DIGITAL				
TSX DEZ 12D2K				Page 50
TSX DEZ 12D2		Page 46		
Boards 8I DIGITAL				
TSX DEZ 08A4		Page 47		
TSX DEZ 08A5		Page 47		
Boards 8O DIGITAL				
TSX DSZ 08R5		Page 47		
TSX DSZ 08T2		Page 47		
TSX DSZ 08T2K				Page 50
Boards 8I / 8O DIGITAL				
TSX DMZ 16DTK				Page 50
Boards 4O DIGITAL				
TSX DSZ 04T22		Page 47		
Boards 8I ANA				
TSX AEZ 801		Page 48	Page 49	
TSX AEZ 802		Page 48	Page 49	
Boards 4I ANA				
TSX AEZ 414		Page 48	Page 49	
Boards 4O ANA				
TSX ASZ 401		Page 48	Page 49	
Boards 2O ANA				
TSX ASZ 200		Page 48	Page 49	
Safety Boards				
TSX DPZ 10D2A		Page 47		

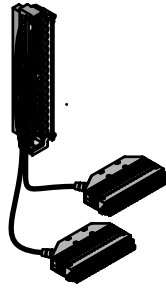
interfast 2



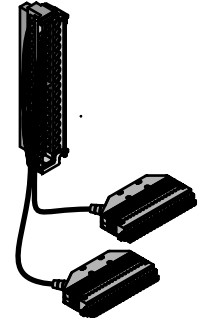
Télemécanique PLC TSX 37-MICRO
Swing arm with cable and
Omniconnect connectors



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 TSX DEZ 32 D2		16 opto P	Boards 32S TOR TSX DSZ 32 R5		16 Relays N ⁽¹⁾ / 16 Opto N ⁽¹⁾
Boards 32 O DIGIT. TSX DSZ 32 T2		16 Relays N / 16 opto N			
Boards 16I / 12O DIGIT. TSX DMZ 28 DR		16 opto ⁽¹⁾			
TSX DMZ 28 AR					

■ 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/TSX37/2xOMN20/133	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

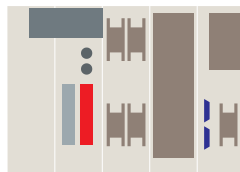
Characteristics

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

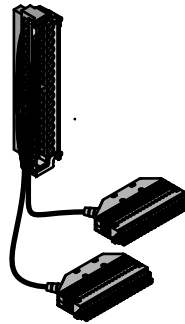
interfast 2



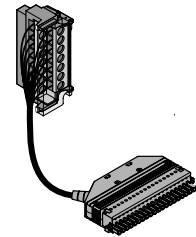
Télemécanique PLC TSX 37-MICRO
Swing arm with cable and
Omniconnect connectors



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. TSX DMZ 28 DT		16 opto P	12 Relays N	Boards 12 I DIGITAL TSX DEZ 12 D2		16 opto

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

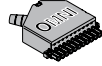
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 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

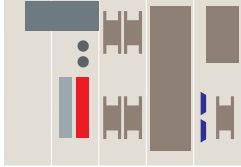
Characteristics

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



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



■ Wire markers optional:
Consult us

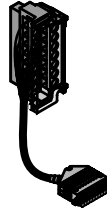
■ Accessories:
see section on ACCESSORIES

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

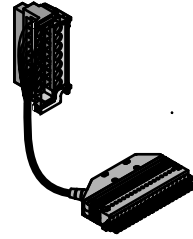
Characteristics

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

Board 8 I DIGITAL Board 8 O DIGITAL



Board 8 O DIGITAL



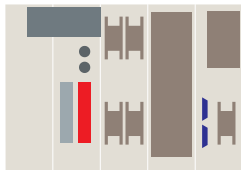
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I DIGITAL			Boards 8 O DIGITAL		
TSX DEZ 08 A4			TSX DSZ 08 R5		
TSX DEZ 08 A5			Safety boards		
Boards 8 O DIGITAL			TSX DPZ 10 D2 A		
TSX DSZ 08 T2		8 Relays N / 8 opto N			

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	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

interfast 2



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



■ Wire markers optional:
Consult us

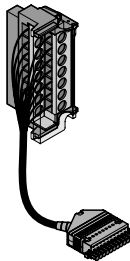
■ Accessories:
see section on ACCESSORIES

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

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

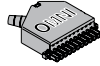
Board 4 O DIGITAL



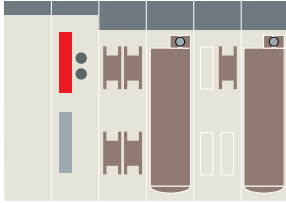
Type of board	Connector interface	Decoupling interface
Boards 4 O DIGITAL		
TSX DSZ 04 T22		

Length	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

interfast 2



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



■ Wire markers optional:
Consult us

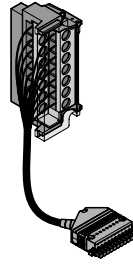
■ Accessories:
see section on ACCESSORIES

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

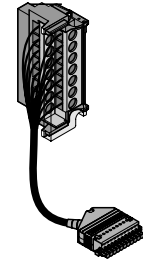
Characteristics

Type of interface connector	1 Omniconnect 12 points			1 Omniconnect 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		

Board 8 I DIGITAL



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

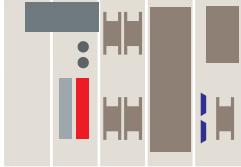


Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface	
Boards 8 I ANA			Boards 4 I ANA			
TSX AEZ 801			TSX AEZ 414			
TSX AEZ 802			Boards 4 O ANA			
			TSX ASZ 401			
			Boards 2 O ANA			
			TSX ASZ 200			
Length	Type of cable	Reference with IEC 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	0037 450.27
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

interfast 2



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

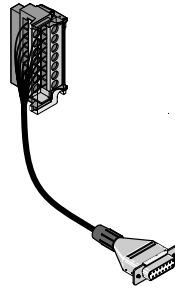


■ Wire markers optional:
Consult us

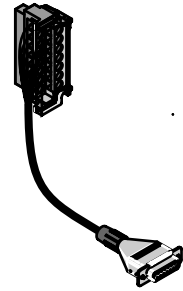
■ Accessories:
see section on ACCESSORIES

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

Board 8 I ANA



Board 4 I ANA



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

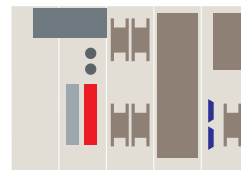
Characteristics

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



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

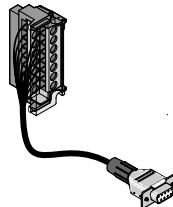


■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Board 4 O ANA Board 2 O ANA



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 *		
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		

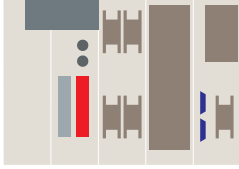
Characteristics

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



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



- TSXDMZ64DTK32DI
- TSXDMZ64DTK32DO
- TSXDMZ28DTK16DI
- TSXDMZ28DTK12DO
- TSXDEZ12D2K12DI
- TSXDMZ16DTK8DI/800

- Kit A (X2)
- Kit ABC (X2)
- Kit A (X1)
- Kit ABC (X1)
- Kit A (X1)
- Kit A (X1)

■ Wire markers optional:
Consult us

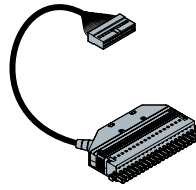
■ Accessories:
see section on ACCESSORIES

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

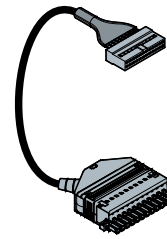
Board 32 I / 32 O DIGITAL Board 16 I / 12 O DIGITAL Board 12 I DIGITAL



- ⁽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 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

Board 8 O DIGITAL



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

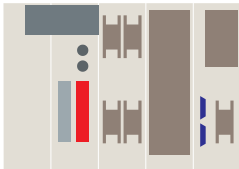
Type of board	Connector interface	Decoupling interface Input	Decoupling interface Output	Type of board	Connector interface	Decoupling interface
Boards 32I/32O DIGIT. TSX DMZ 64 DTK ⁽¹⁾	2 3 6 7		16 Relays N 16 Opto P 16 Opto N	Boards 8 O DIGITAL TSX DSZ 08 T2K	0 1	8 Relays N / 8 opto N
Boards 16I/12O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



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



■ Wire markers optional:
Consult us

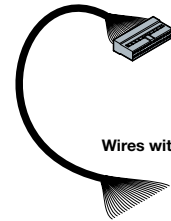
■ Accessories:
see section on ACCESSORIES

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

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

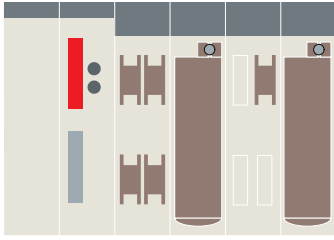
HE 10/20	Colour
1	White
2	Brown
3	Green
4	Yellow
5	Grey
6	Pink
7	Blue
8	Red
9	Black
10	Violet
11	Grey-Pink
12	Red-Blue
13	White-Green
14	Brown-Green
15	White-Yellow
16	Yellow-Brown
17	White-Grey
18	Grey-Brown
19	White-Pink
20	Pink-Brown

Type of board	Connector interface	Decoupling interface
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 *
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

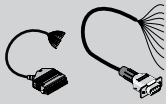
CONNECTION TECHNOLOGY SELECTION GUIDE

TELEMECANIQUE PLC TSX 57 PREMIUM



Multipurpose cable

See chapter
"Connection cables"



interfast 2 Swing arm pre-wired by ENTRELEC

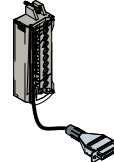
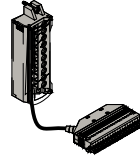
HDI High density range



STI standard range

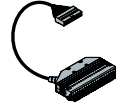


Sub D range Shielded cable



interfast 3 PLC used has a connector on the card

STI range cable



Sub D shielded cable



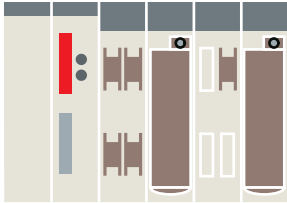
References

	See page	See page	See page	See page
Boards 64 I DIGITAL				
TSX DEY 64 D2K				Page 58
Boards 64 O DIGITAL				
TSX DSY 64 T2K				Page 58
Boards 32 I DIGITAL				
TSX DEY 32 D2K				Page 58
TSX DEY 32 D3K				Page 58
Boards 32 O DIGITAL				
TSX DSY 32 T2K				Page 58
Boards 16I/ 120 DIGITAL				
TSX DMY 28 FK				Page 58
TSX DMY 28 RFK				Page 58
Boards 16 I DIGITAL				
TSX DEY 16FK				Page 58
TSX DEY 16D2		Page 52		
TSX DEY 16D3		Page 52		
TSX DEY 16A2		Page 52		
TSX DEY 16A3		Page 52		
TSX DEY 16A4		Page 52		
TSX DEY 16A5		Page 52		
Boards 16 O DIGITAL				
TSX DSY 16T2		Page 52		
TSX DSY 16T3		Page 52		
TSX DSY 16R5		Page 52		
TSX DSY 16S4		Page 52		
TSX DSY 16S5		Page 52		
Boards 8 I DIGITAL				
TSX DEY 08D2		Page 53		
Boards 8 O DIGITAL				
TSX DSY 08T2		Page 53		
TSX DSY 08T22		Page 53		
TSX DSY 08T31		Page 53		
TXS DSY 08R5A		Page 53		
TSX DSY 08R4D		Page 53		
TSX DSY 08S5		Page 53		
TSX DSY 08R5		Page 54		
Boards 16 I ANA				
TSX AEY 1600				Page 59
TSX AEY 1614				Page 60
Boards 8 I TOR				
TSX AEY 800				Page 59
TSX AEY 810				Page 59
Boards 8 O ANA				
TSX ASY 800				Page 59
Boards 4 I ANA				
TSX AEY 414		Page 55	Page 56	
TSX AEY 420				Page 60
Boards 4 O ANA				
TSX ASY 410		Page 55	Page 57	Page 61

interfast 2



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

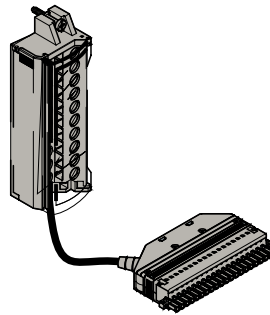


■ Wire markers optional:
Consult us

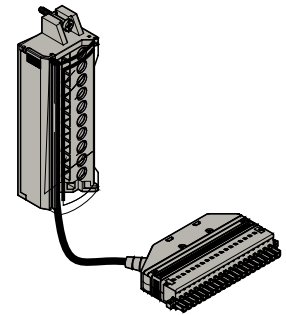
■ Accessories:
see section on ACCESSORIES

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		16 opto P	TSX DSY 16T2		16 opto N / 16 Relays N
TSX DEY 16D3			TSX DSY 16T3		16 opto N ⁽¹⁾ / 16 Relays
TSX DEY 16A2			N ⁽¹⁾		
TSX DEY 16A3					
TSX DEY 16A4					
TSX DEY 16A5					

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

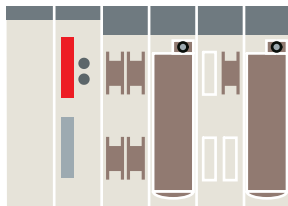
Characteristics

Type of interface connector	1 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 interface	TSX BLY 01	TSX BLY 01

interfast 2



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

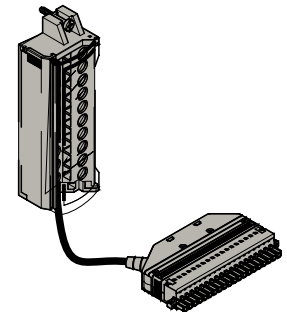
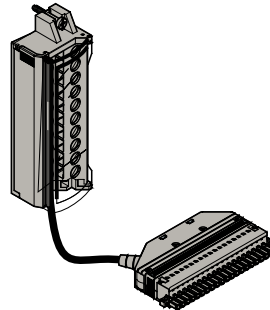


■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Board 16 O DIGITAL



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⁽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 I DIGITAL			Boards 16 O DIGITAL		
TSX DSY 16R5		16 opto N/P ⁽¹⁾ / 16 relays N/P ⁽¹⁾	TSX DSY 16R5		
TSX DSY 16S4			TSX DSY 16S4		
TSX DSY 16S5			TSX DSY 16S5		

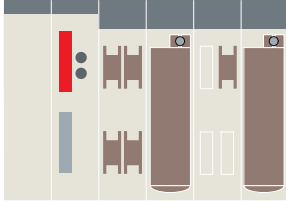
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/TSX57/OMN20/249	0026 642.20	0028 642.02	FA150/TSX57/OMN20/250	0026 648.06	0028 648.10
2 m	FA200/TSX57/OMN20/249	0026 643.21	0028 643.03	FA200/TSX57/OMN20/250	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 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 interface	TSX BLY 01	TSX BLY 01

interfast 2

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

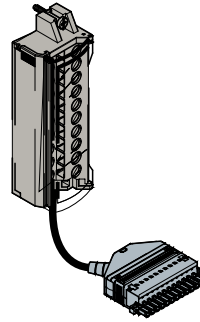


■ Wire markers optional:
Consult us

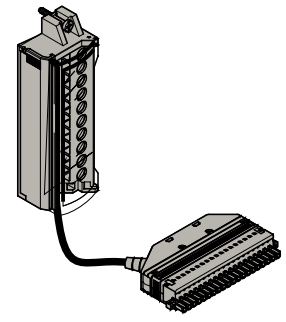
■ Accessories:
see section on ACCESSORIES

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

Board 8 I DIGITAL Board 8 O DIGITAL



Board 8 O DIGITAL



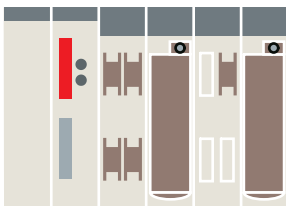
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface	
Boards 8 I DIGITAL			Boards 8 O DIGITAL			
TSX DEY 08D2			TSX DSY 08R5A			
Boards 8 O DIGITAL			TSX DSY 08R4D			
TSX DSY 08T2		8 opto N / 8 Relays N				
Length	Type of cable	Reference with IEC 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 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 interface	TSX BLY 01	TSX BLY 01

interfast 2

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

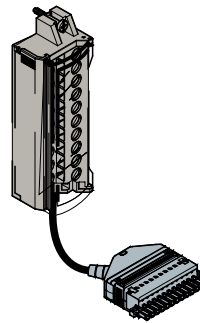


■ Wire markers optional:
Consult us

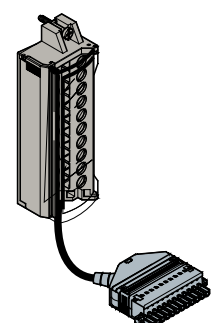
■ Accessories:
see section on ACCESSORIES

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

Board 8 O DIGITAL



Board 8 O DIGITAL



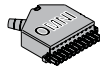
⁽¹⁾ 48 VDC on request

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface	
Boards 8 O DIGITAL			Boards 8 O DIGITAL			
TSX DSY 08T21		8 opto N / 8 Relays N	TSX DSY 08S5			
TSX DSY 08T31		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/OMN12/254	0026 666.20	0028 666.02
2 m	FA200/TSX57/OMN12/253	0026 661.23	0028 661.05	FA200/TSX57/OMN12/254	0026 667.21	0028 667.03
2,5 m						
3 m	FA300/TSX57/OMN12/253	0026 663.25	0028 663.07	FA300/TSX57/OMN12/254	0026 669.03	0028 669.15
4 m						
5 m	FA500/TSX57/OMN12/253	0026 665.27	0028 665.01	FA500/TSX57/OMN12/254	0026 671.25	0028 671.07

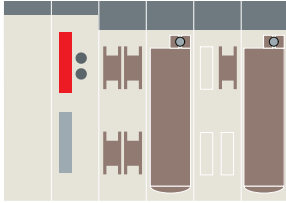
Characteristics

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 interface	TSX BLY 01	TSX BLY 01

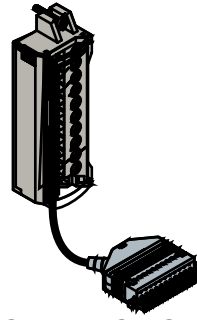
interfast 2



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

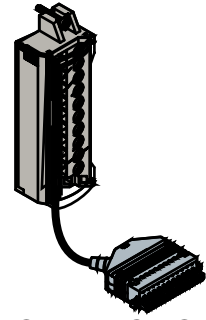


Board 8 O DIGITAL



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		(1) 8 relays N/P(1) / 8 opto N/P(1)	Boards 8 O DIGITAL TSX DSY 08R5		

Wire markers optional:
Consult us

Accessories:
see section on ACCESSORIES

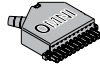
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

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/TSX57/OMN12/255	0026 672.26	0028 672.00	FA150/TSX57/OMN12/586	0036 614.16	0037 614.17
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

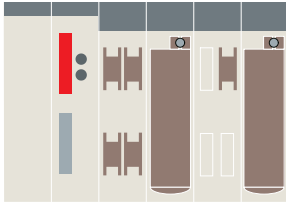
Characteristics

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

interfast 2



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

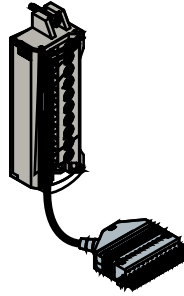


■ Wire markers optional:
Consult us

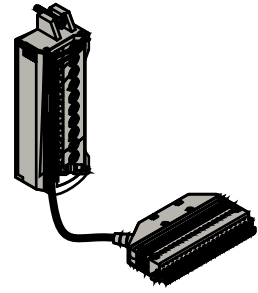
■ Accessories:
see section on ACCESSORIES

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

Board 4 I ANA Current / Voltage Board 4 O ANA



Board 4 E ANA RTD



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			TSX AEY 414		
Boards 4 O ANA					
TSX ASY 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/TSX57/OMN12/560	0036 468.24	0037 468.25	FA150/TSX57/OMN20/561	0036 474.12	0037 474.13
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

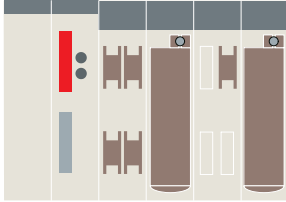
Characteristics

Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 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

interfast 2



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

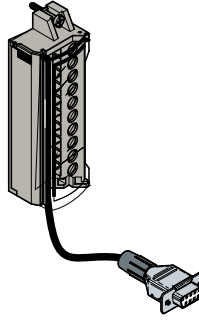


■ Wire markers optional:
Consult us

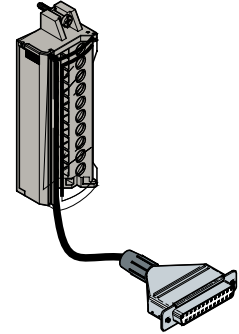
■ Accessories:
see section on ACCESSORIES

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			Boards 4 I ANA		
TSX AEY 414	Sub D 9		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

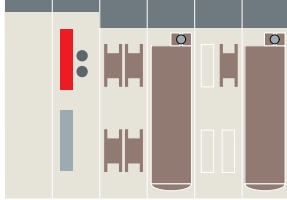
Characteristics

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

interfast 2



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

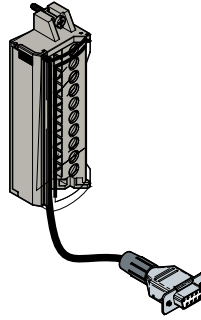


■ Wire markers optional:
Consult us

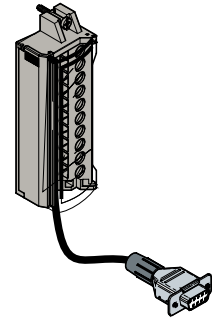
■ Accessories:
see section on ACCESSORIES

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

Board 4 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

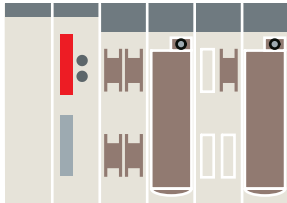
Characteristics

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



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

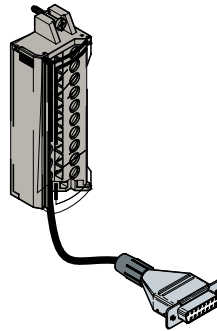


■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Board 4 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			

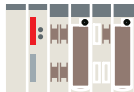
Characteristics

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

interfast 3



Télé mécanique PLC TSX 57-PREMIUM PLC board with built-in connector. Cable with HE 10/20 connector to Omnicomnect



- TSXDEY64D2K64DI
- TSXDSY64D2K64DO
- TSXDEY32D2K32DI
- TSXDEY32D3K32DI
- TSXDSY32T2K32DO
- TSXDMY28FK16DI
- TSXDMY28FK12DO
- TSXDMY28RFK16DI
- TSXDMY28RFK12DO
- TSXDEY16FK16DI

- Kit A (X4)
- Kit ABC (X4)
- Kit A (X2)
- Kit A (X2)
- Kit ABC (X2)
- Kit A (X1)
- Kit ABC (X1)
- Kit A (X1)
- Kit ABC (X1)
- Kit A (X1)

Wire markers optional: Consult us

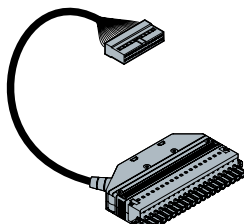
Accessories: see section on ACCESSORIES

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 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



Connector 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

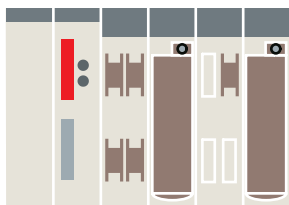
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface Input	Decoupling interface Output
Boards 64 I DIGITAL			Boards 64 O DIGITAL			
TSX DEY 64D2K (1)		16 opto P	TSX DSY 64T2K (1)		16 Relays N	16 opto N
Boards 32 I DIGITAL			Boards 32 O DIGITAL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



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



Wire markers optional: Consult us

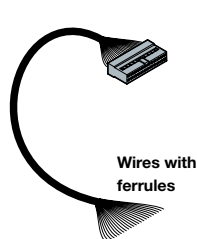
Accessories: see section on ACCESSORIES

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



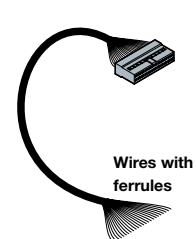
Connector HE 10/20	Colour
1	White
2	Brown
3	Green
4	Yellow
5	Grey
6	Pink
7	Blue
8	Red
9	Black
10	Violet
11	Grey-Pink
12	Red-Blue
13	White-Green
14	Brown-Green
15	White-Yellow
16	Yellow-Brown
17	White-Grey
18	Grey-Brown
19	White-Pink
20	Pink-Brown

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

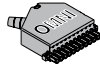
Board 64 O DIGITAL Board 32 O DIGITAL Board 16 I / 12 O DIGITAL



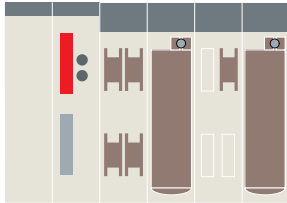
Connector HE 10/20	Colour
1	White
2	Brown
3	Green
4	Yellow
5	Grey
6	Pink
7	Blue
8	Red
9	Black
10	Violet
11	Grey-Pink
12	Red-Blue
13	White-Green
14	Brown-Green
15	White-Yellow
16	Yellow-Brown
17	White-Grey
18	Grey-Brown
19	White-Pink
20	Pink-Brown

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

interfast 3



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

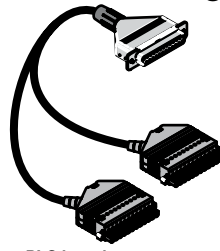


Wire markers optional: Consult us

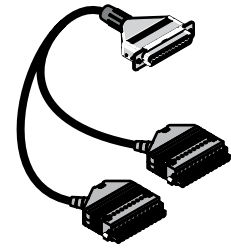
Accessories: see section on ACCESSORIES

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

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)			TSX AEY 810		
Boards 8 I ANA					
TSX AEY 800					
Boards 8 O ANA					
TSX ASY 800					

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

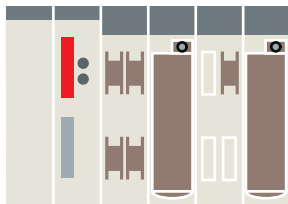
Characteristics

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

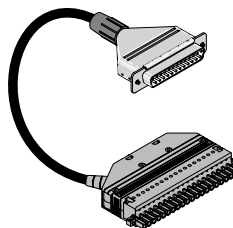


Wire markers optional: Consult us

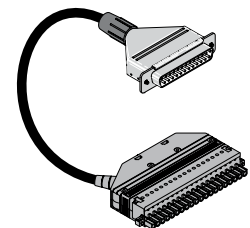
Accessories: see section on ACCESSORIES

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

Board 16 I ANA
Board 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)			TSX AEY 1600 (1)		
Boards 8 I ANA			Boards 8 I ANA		
TSX AEY 800			TSX AEY 800		
TSX AEY 810			TSX AEY 810		
Boards 8 O ANA			Boards 8 O ANA		
TSX ASY 800			TSX ASY 800		

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

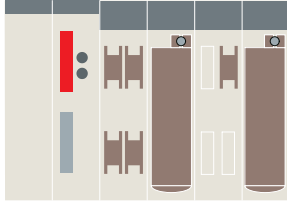
Characteristics

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

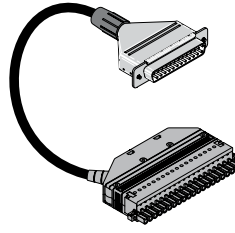


■ Wire markers optional: Consult us

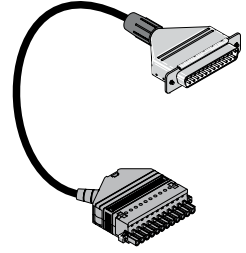
■ Accessories: see section on ACCESSORIES

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

Board 16 I ANA



Board 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⁾			TSX AEY 420		

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

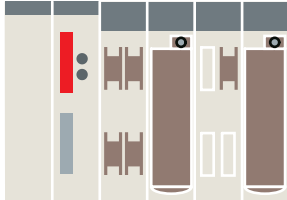
Characteristics

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

interfast 3



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



■ Wire markers optional:
 Consult us

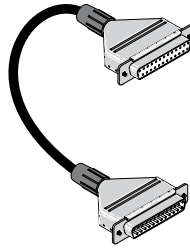
■ Accessories:
 see section on ACCESSORIES

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

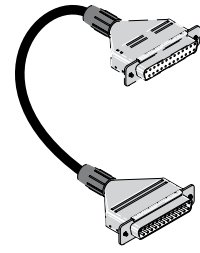
Characteristics

Type of interface connector	1 Sub D 25 female points	1 Sub D 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

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

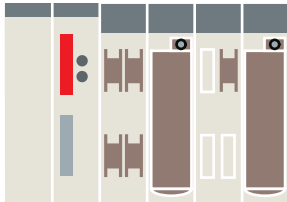
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I ANA			Boards 4 I ANA		
TSX AEY 1600 ⁽¹⁾	Sub D 25		TSX AEY 420	Sub D 25	
TSX AEY 1614 ⁽¹⁾	Sub D 25				
Boards 8 I ANA					
TSX AEY 800	Sub D 25				
TSX AEY 810	Sub D 25				
Boards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

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

interfast 3



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



■ Wire markers optional:
 Consult us

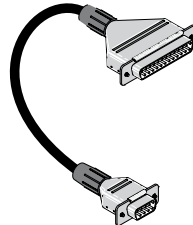
■ Accessories:
 see section on ACCESSORIES

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

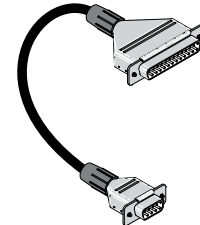
Characteristics

Type of interface connector	1 Sub D 9 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

Board 4 E ANA
 Current Input



Board 4 E ANA
 Voltage Input

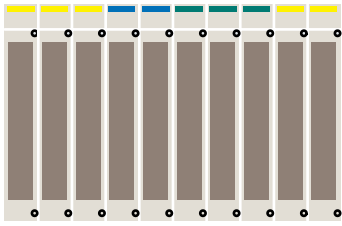


Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 E ANA			Boards 4 E ANA		
TSX AEY 420	Sub D 9		TSX AEY 420	Sub D 9	

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

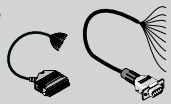
CONNECTION TECHNOLOGY SELECTION GUIDE

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

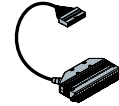


Sub D range Shielded cable



interfast 3 PLC used has a connector on the card

STI range cable

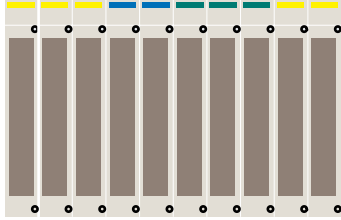


References

	See page	See page	See page
Boards 96 I DIGITAL			
140 DDI 36400			Page 70
Boards 96 O DIGITAL			
140 DDO 36400			Page 70
Boards 32 I DIGITAL			
140 DAI 55300	Page 63		
140 DDI 35300	Page 63		
140 DDI 85300	Page 63		
140 DDI 15310	Page 63		
140 DAI 35300	Page 63		
140 DAI 45300	Page 63		
140 DDI 35310	Page 63		
140 DAI 75300	Page 63		
140 DSI 35300	Page 63		
Boards 32 O DIGITAL			
140 DDO 35300	Page 63		
140 DDO 35310	Page 63		
140 DAO 85300	Page 63		
140 DDO 15310	Page 63		
140 DVO 85300	Page 63		
Boards 24 I DIGITAL			
140 DDI 67300	Page 64		
Boards 16 I DIGITAL			
140 DAI 54000	Page 64		
140 DAI 74000	Page 64		
140 DDI 84100	Page 64		
140 DAI 54300	Page 64		
140 DAI 34000	Page 64		
140 DAI 44000	Page 64		
Boards 16 I / 8 O DIGITAL			
140 DDM 39000	Page 63		
140 DAM 59000	Page 63		
Boards 16 O DIGITAL			
140 DAO 84000	Page 64		
140 DRA 84000	Page 64		
140 DAO 84010	Page 64		
140 DAO 84210	Page 65		
140 DAO 84220	Page 65		
140 DDO 84300	Page 64		
Boards 12 O DIGITAL			
140 DDO 88500	Page 65		
Boards 8 O DIGITAL			
140 DRC 83000	Page 65		
Boards 16I ANA			
140 ACI 04000	Page 66	Page 68	
Boards 8 I ANA			
140 ACI 03000	Page 66	Page 68	
140 AVI 03000	Page 66	Page 68	
140 ARI 03000	Page 66	Page 68	
140 ARI 03010	Page 66	Page 68	
Boards 8 O ANA			
140 ACO 13000	Page 66	Page 68	
Boards 4 I ANA / 2 O ANA			
140 AMM 09000	Page 67	Page 69	
Boards 4 O ANA			
140 ACO 02000	Page 67	Page 69	
140 AVO 02000	Page 66	Page 69	

interfast 2

TSX PLC Quantum
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
Consult us

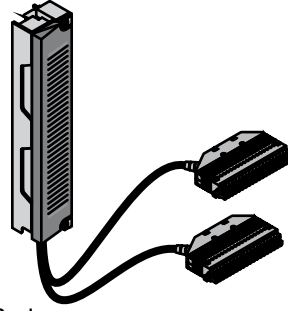
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in 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	140 XTS 00200			140 XTS 00200		

Board 32 I DIGITAL



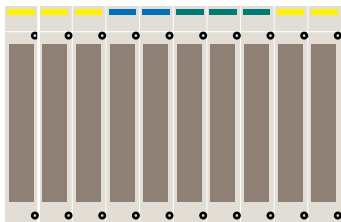
⁽¹⁾ For 24 VDC only
⁽²⁾ Positive common

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 3 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			

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

interfast 2

TSX PLC Quantum
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
Consult us

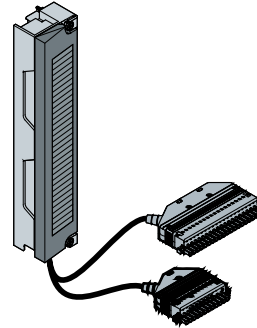
■ Accessories:
see section on ACCESSORIES

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

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		

Board 16 I / 8 O DIGITAL



OUTPUT
COMMON BY GROUP OF 4

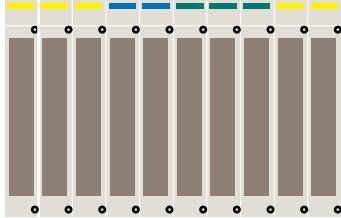
OUTPUT
COMMON BY GROUP OF 8

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 11 and 13	3 relays N/P / 8 opto N/P
140 DDM 39000	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						
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

interfast 2

TSX PLC Quantum
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
Consult us

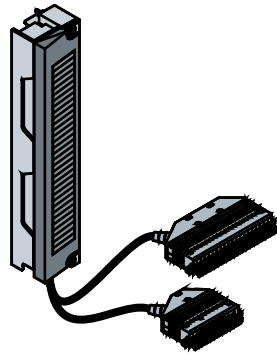
■ Accessories:
see section on ACCESSORIES

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

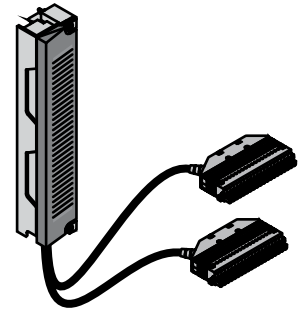
Characteristics

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

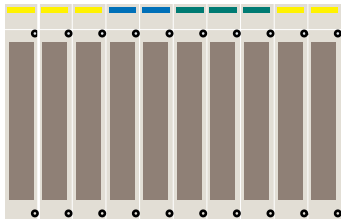


Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 24 I DIGITAL			Boards 16 I DIGITAL		
140 DDI 67300	10 and 12		140 DAI 54000	12 16	
			140 DAI 74000	12 16	
			140 DDI 84100	12 16	
			140 DAI 34000	12 16	
			140 DAI 44000	12 16	

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

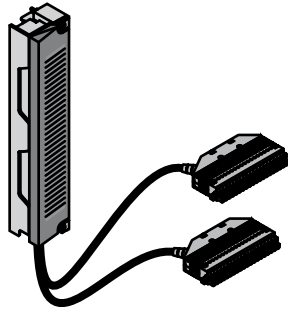
■ Accessories:
see section on ACCESSORIES

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

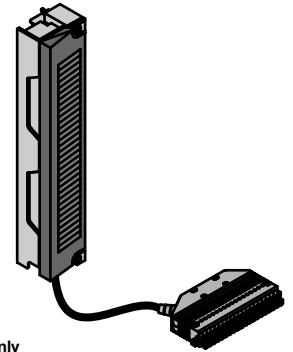
Characteristics

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	140 XTS 00200	140 XTS 00200

Board 16 O DIGITAL



Board 16 I DIGITAL Board 16 O DIGITAL



⁽¹⁾ For 24 VDC only

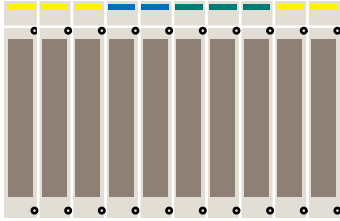
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGITAL			Boards 16 I DIGITAL		
140 DAO 84000	12 16		140 DAI 54300	12	
140 DAO 84010	12 16		Boards 16 O DIGITAL		
140 DRA 84000	12 16		140 DDO 84300	12 13 ⁽¹⁾	16 relays N ⁽¹⁾ / 16 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	FA150/Quantum/OMN20/003	0021 538.13	0027 538.11
1,5 m	FA150/Quantum/2xOMN20/001	0021 526.07	0027 526.05	FA200/Quantum/OMN20/003	0021 539.14	0027 539.12
2 m	FA200/Quantum/2xOMN20/001	0021 527.00	0027 527.06	FA300/Quantum/OMN20/003	0021 541.16	0027 541.14
2,5 m						
3 m	FA300/Quantum/2xOMN20/001	0021 529.12	0027 529.10	FA500/Quantum/OMN20/003	0021 543.10	0027 543.16
4 m						
5 m	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 boldface type
* Cables UL available only for USA, CANADA, MEXICO

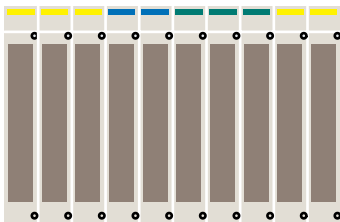
Characteristics

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**



■ Wire markers optional:
Consult us

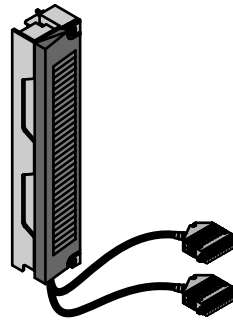
■ Accessories:
see section on ACCESSORIES

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

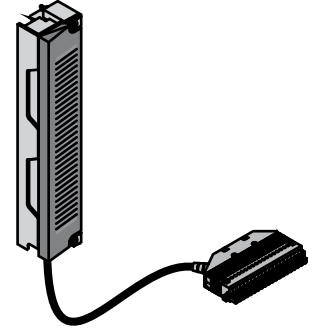
Characteristics

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

Board 16 O DIGITAL



Board 12 O DIGITAL

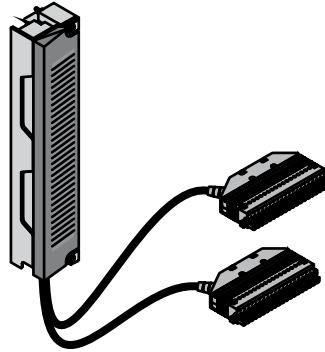


⁽¹⁾ For 24 VDC only

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			140 DDO 88500		12 Relays N/P ⁽¹⁾
140 DAO 84220					

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

Board 8 O DIGITAL

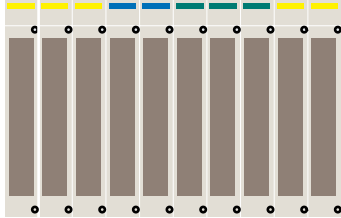


Type of board	Connector interface	Decoupling interface			
Boards 8 O DIGITAL					
140 DRC 83000					

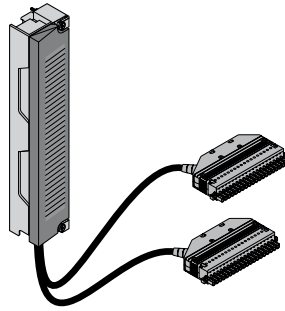
Length	Type of cable	Reference with IEC cables	Reference with UL cables *		
1,5 m	FA150/Quantum/2xOMN20/004	0021 544.11	0027 544.17		
2 m	FA200/Quantum/2xOMN20/004	0021 545.12	0027 545.10		
2,5 m					
3 m	FA300/Quantum/2xOMN20/004	0021 547.14	0027 547.12		
4 m					
5 m	FA500/Quantum/2xOMN20/004	0021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

interfast 2

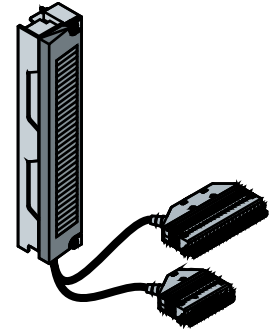
TSX PLC Quantum
Swing arm with cable and
Omniconnect connectors



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			140 ACI 03000		
			140 AVI 03000		

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

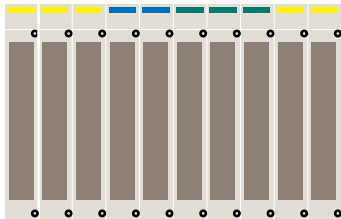
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

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			
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

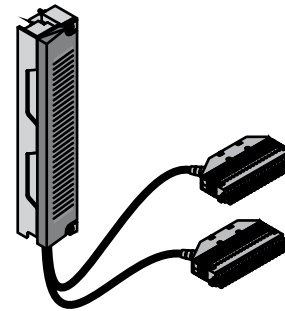
Characteristics	
Type of interface connector	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM
PLC connector reference	140 XTS 00200

interfast 2

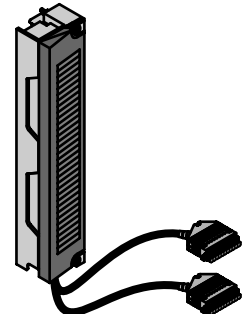
TSX PLC Quantum
Swing arm with cable and
Omniconnect connectors



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			140 ACO 13000		⁽¹⁾
140 ARI 03010					
Board 4 O ANA					
140 AVO 02000					

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

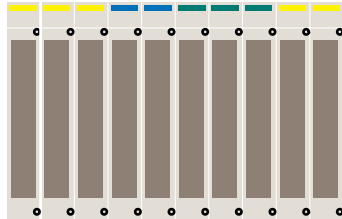
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	FA150/Quantum/2xOMN20/572	0036 540.20	0037 540.21	FA150/Quantum/2xOMN12/585	0036 608.01	0037 608.02
2 m	FA200/Quantum/2xOMN20/572	0036 541.15	0037 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

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

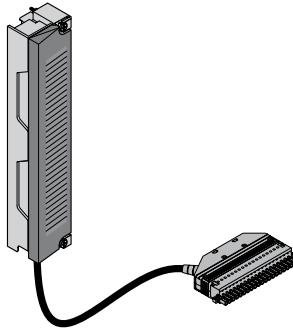
interfast 2



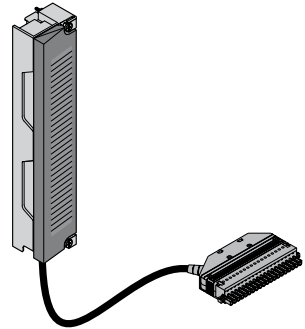
**TSX PLC Quantum
Swing arm with cable and
Omniconnect connector.**



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			Boards 4 I / 2 O ANA		
140 ACO 02000			140 AMM 09000		

■ 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 O ANA			Board 4 I / 2 O ANA		
	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Quantum/OMN20/570	0036 528.10	0037 528.11	FA150/Quantum/OMN20/663	0038 020.24	0039 020.25
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

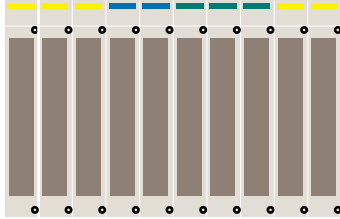
Characteristics

Characteristics		Board 4 O ANA	Board 4 I / 2 O ANA
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 Sub D connector

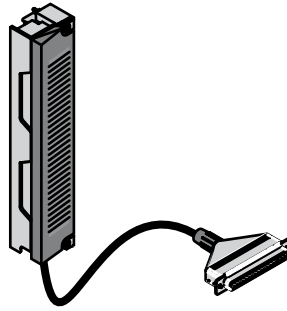


■ Wire markers optional:
Consult us

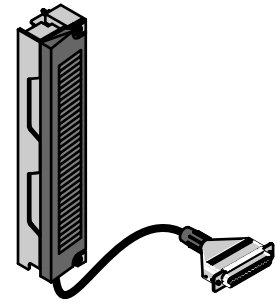
■ Accessories:
see section on ACCESSORIES

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

Board 16 I 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		
140 ACI 04000	SubD 37		140 ACI 03000	SubD 25	
			140 AVI 03000	SubD 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 37/009	0021 568.21	0027 568.27	FA150/Quantum/SubD 25/005	0021 550.23	0027 550.21
2 m	FA200/Quantum/SubD 37/009	0021 569.22	0027 569.20	FA200/Quantum/SubD 25/005	0021 551.10	0027 551.16
2,5 m						
3 m	FA300/Quantum/SubD 37/009	0021 571.14	0027 571.12	FA300/Quantum/SubD 25/005	0021 553.12	0027 553.10
4 m						
5 m	FA500/Quantum/SubD 37/009	0021 573.16	0027 573.14	FA500/Quantum/SubD 25/005	0021 555.14	0027 555.12

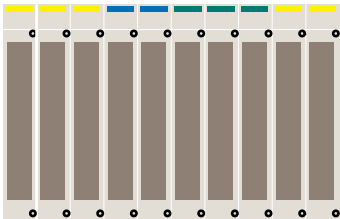
Characteristics

Type of interface connector	1 SubD 37 female points	1 SubD 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	140 XTS 00200	140 XTS 00200

interfast 2



TSX PLC Quantum
Swing arm with cable and Sub D connector

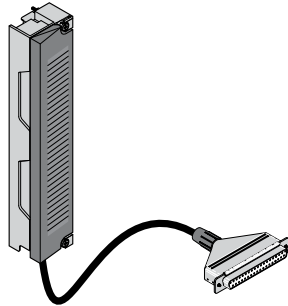


■ Wire markers optional:
Consult us

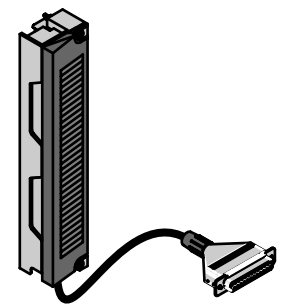
■ Accessories:
see section on ACCESSORIES

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

Board 8 I 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 O ANA		
140 ARI 03000	SubD 37		140 ACO 13000	SubD 25	
140 ARI 03010	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 37/009	0021 568.21	0027 568.27	FA150/Quantum/SubD 25/584	0036 602.23	0037 602.24
2 m	FA200/Quantum/SubD 37/009	0021 569.22	0027 569.20	FA200/Quantum/SubD 25/584	0036 603.24	0037 603.25
2,5 m						
3 m	FA300/Quantum/SubD 37/009	0021 571.14	0027 571.12	FA300/Quantum/SubD 25/584	0036 605.26	0037 605.27
4 m						
5 m	FA500/Quantum/SubD 37/009	0021 573.16	0027 573.14	FA500/Quantum/SubD 25/584	0036 607.20	0037 607.21

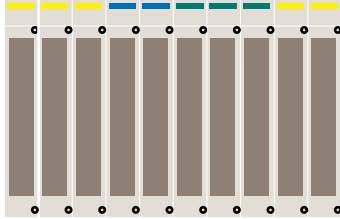
Characteristics

Type of interface connector	1 SubD 37 female points	1 SubD 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	140 XTS 00200	140 XTS 00200

interfast 2



TSX PLC Quantum
Swing arm with cable and
Sub D connector



■ Wire markers optional:
Consult us

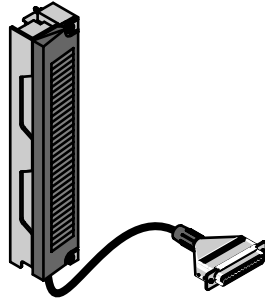
■ Accessories:
see section on ACCESSORIES

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

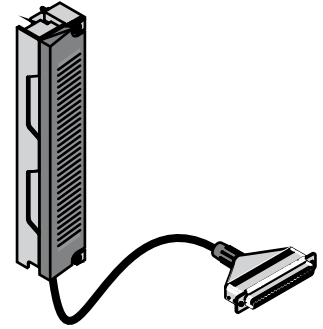
Characteristics

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

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	

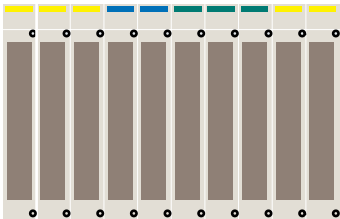
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
	1,5 m	FA150/Quantum/SubD 25/007	0021 556.15	0027 556.13	FA150/Quantum/SubD 37/008	0021 562.13
2 m	FA200/Quantum/SubD 25/007	0021 557.16	0027 557.14	FA200/Quantum/SubD 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

1 SubD 25 female points	1 SubD 37 female points
0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
54 Ω/KM - 120 nF/KM 140 XTS 00200	54 Ω/KM - 120 nF/KM 140 XTS 00200

interfast 2



TSX PLC Quantum
Swing arm with cable and
Sub D connector



■ Wire markers optional:
Consult us

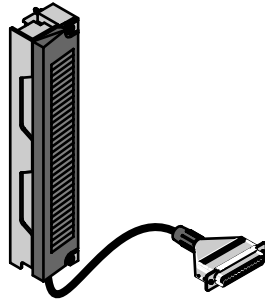
■ Accessories:
see section on ACCESSORIES

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

Characteristics

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

Board 4 I / 2 O ANA



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

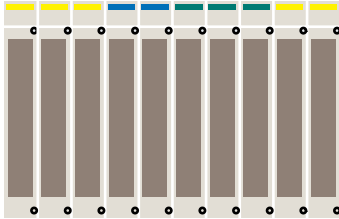
Length	Type of cable	Reference with IEC cables	Reference with UL cables *		
	1,5 m	FA150/Quantum/SubD 25/664	0038 026.16	0039 026.17	
2 m	FA200/Quantum/SubD 25/664	0038 027.17	0039 027.10		
2,5 m					
3 m	FA300/Quantum/SubD 25/664	0038 029.21	0039 029.22		
4 m					
5 m	FA500/Quantum/SubD 25/664	0038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

1 SubD 25 female points
0,34mm ² - Shielded 22 AWG
54 Ω/KM - 120 nF/KM 140 XTS 00200

interfast 3



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



■ Wire markers optional:
Consult us

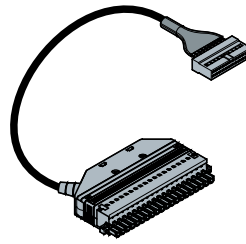
■ Accessories:
see section on ACCESSORIES

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

Characteristics

Type of interface connector	1 Omnicontact 20 points		
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
Boards 96 I DIGITAL	Kit A (X6)	
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
	Kit ABC (X6)	

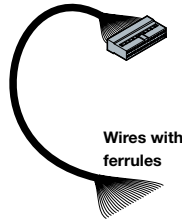
Length	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LA100/HE10-20/OMN20/661/UL		0039 000.02
1,5 m	LA150/HE10-20/OMN20/661/UL		0039 001.27
2 m	LA200/HE10-20/OMN20/661/UL		0039 002.20
2,5 m			
3 m	LA300/HE10-20/OMN20/661/UL		0039 004.22
4 m			
5 m	LA500/HE10-20/OMN20/661/UL		0039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



Wires with ferrules

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
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 *
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		

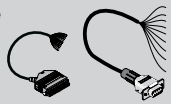
CONNECTION TECHNOLOGY SELECTION GUIDE

GE FANUC PLC 90 - 30
CEGELEC PLC 80 - 35



Multipurpose cable

See chapter
"Connection cables"



interfast 2
Swing arm pre-wired by ENTRELEC

interfast 3
PLC used has a connector on the card

HDI High density range



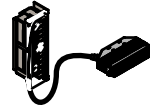
STI standard range



Sub D range Shielded cable



STI range cable



References	interfast 2	interfast 3	interfast 3	interfast 3
Boards 32 I DIGITAL		See page	See page	See page
IC 693 MDL 654				Page 81
IC 693 MDL 655				Page 81
Boards 32 O DIGITAL				
IC 693 MDL 752				Page 81
IC 693 MDL 753				Page 81
Boards 16 I DIGITAL				
IC 693 MDL 240	Page 72			
IC 693 MDL 241	Page 72			
IC 693 MDL 645 / 646	Page 72			
Boards 16 O DIGITAL				
IC 693 MDL 340	Page 73			
IC 693 MDL 740 / 741 / 742	Page 73			
IC 693 MDL 940	Page 72			
Boards 8 I / 8 O DIGITAL				
IC 693 MDR 390	Page 73			
Boards 12 O DIGITAL				
IC 693 MDL 310	Page 73			
Boards 8 I DIGITAL				
IC 693 MDL 230 / 231	Page 73			
IC 693 MDL 632	Page 73			
IC 693 MDL 634	Page 74			
Boards 8 O DIGITAL				
IC 693 MDL 330	Page 73			
IC 693 MDL 730 / 731	Page 74			
IC 693 MDL 732 / 733	Page 74			
IC 693 MDL 930 / 931	Page 73			
Boards 6 I DIGITAL				
IC 693 MDL 734	Page 75			
Boards 5 O DIGITAL				
IC 693 MDL 390	Page 74			
Boards 16 I ANA				
IC 693 ALG 222 / 223	Page 76	Page 78		
HE 693 RTD 6XX	Page 77	Page 78		
Boards 16 O ANA				
IC 693 ALG 392	Page 76	Page 78		
Boards 6 I ANA				
HE 693 THM 668	Page 77	Page 78		
Boards 4 I / 2 O ANA				
IC 693 ALG 442	Page 77	Page 78		
Boards 4 I ANA				
IC 693 ALG 220 / 221	Page 77	Page 79		
HE 693 ADC 405 / 410 / 415 / 420	Page 77	Page 79		
HE 693 ADC 406	Page 76	Page 79		
Boards 4 O ANA				
HE 693 DAC 410	Page 77	Page 79		
Boards 2 O ANA				
IC 693 ALG 390	Page 77	Page 79		
IC 693 ALG 391	Page 77	Page 80		
Pulse counter				
IC 693 APU 300		Page 80		

interfast 2



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

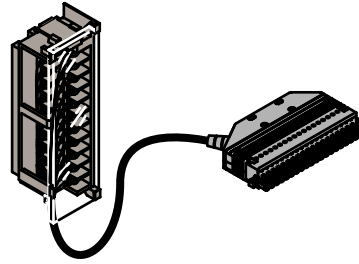


■ Wire markers optional:
Consult us

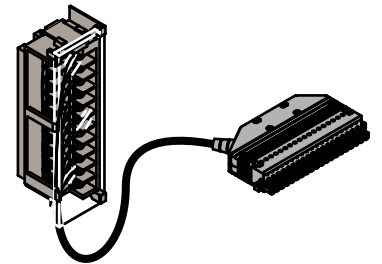
■ Accessories:
see section on ACCESSORIES

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			IC 693 MDL 241		
			IC 693 MDL 645		
			IC 693 MDL 646		

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

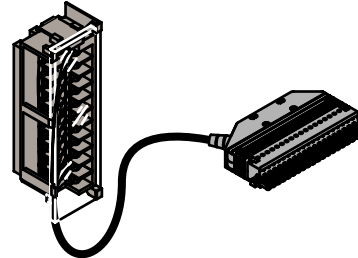


■ Wire markers optional:
Consult us

■ 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

(1) For 24 VDC only

WITH DECOUPLING
INTERFACE
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 16 O DIGITAL			Boards 16 O DIGITAL		
IC 693 MDL 940			IC 693 MDL 940	(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



■ Wire markers optional:
Consult us

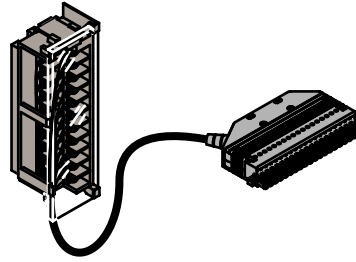
■ Accessories:
see section on ACCESSORIES

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

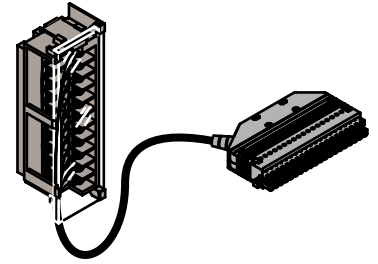
Characteristics

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

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		16 Relays N/P ⁽¹⁾ / 16 Opto N/P ⁽¹⁾	IC 693 MDL 340		
IC 693 MDL 742		16 Relays N ⁽¹⁾ / 16 Opto N ⁽¹⁾	Boards 12 O DIGITAL		
IC 693 MDL 740		16 Relays N ⁽¹⁾ / 16 Opto N ⁽¹⁾	IC 693 MDL 310		

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

interfast 2

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



■ Wire markers optional:
Consult us

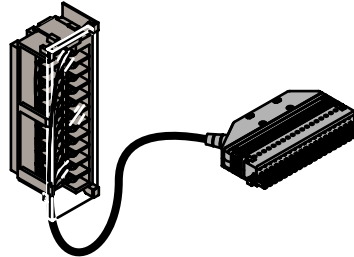
■ Accessories:
see section on ACCESSORIES

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

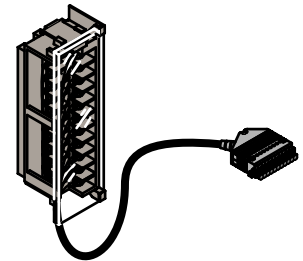
Characteristics

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

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



Board 8 I DIGITAL Board 8 O DIGITAL



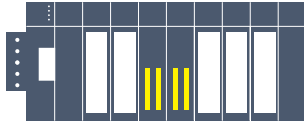
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I DIGITAL			Boards 8 I DIGITAL		
IC 693 MDL 230			IC 693 MDL 632		
IC 693 MDL 231			Boards 8 O DIGITAL		
Boards 8 O DIGITAL			IC 693 MDL 330		
IC 693 MDL 930					
IC 693 MDL 931				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

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

interfast 2



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



■ Wire markers optional:
Consult us

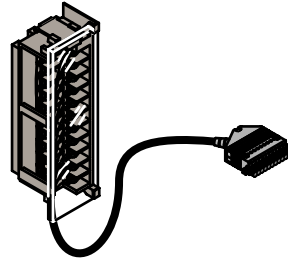
■ Accessories:
see section on ACCESSORIES

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

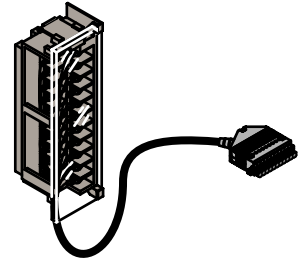
Characteristics

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

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

interfast 2



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



■ Wire markers optional:
Consult us

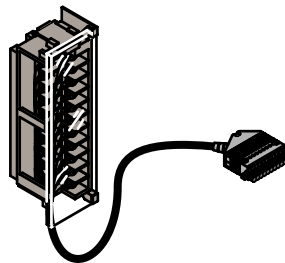
■ Accessories:
see section on ACCESSORIES

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

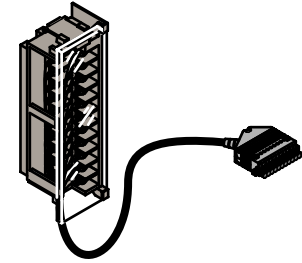
Characteristics

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

Board 8 O DIGITAL



Board 5 O DIGITAL



(1) For 24 VDC only

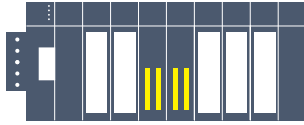
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O DIGITAL			Boards 5 O DIGITAL		
IC 693 MDL 732	(1)	8 Relays N ⁽¹⁾ / 8 Opto N ⁽¹⁾	IC 693 MDL 390		
IC 693 MDL 733		8 Relays N/P ⁽¹⁾ / 8 Opto N/P ⁽¹⁾			

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

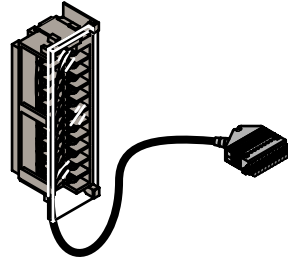
interfast 2



PLC GE FANUC 90-30
 CECELEC 80-35
 Swing arm with cable and
 Omnicconnect connectors



Board 6 I DIGITAL



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

■ 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	FA150/80-35/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 Omnicconnect 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

interfast 2

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



■ Wire markers optional:
Consult us

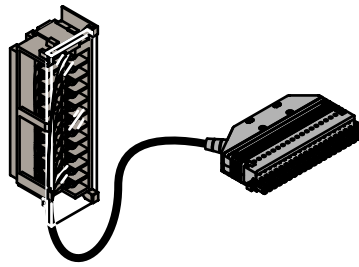
■ Accessories:
see section on ACCESSORIES

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

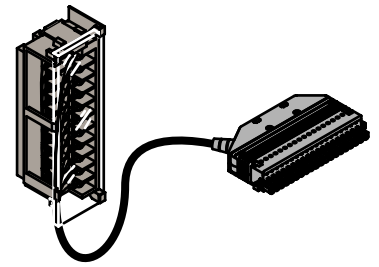
Characteristics

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

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			IC 693 ALG 392		
IC 693 ALG 222					

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

interfast 2

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



■ Wire markers optional:
Consult us

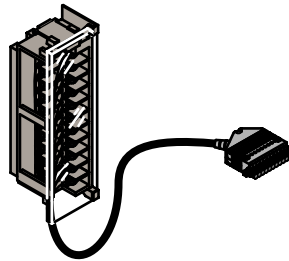
■ Accessories:
see section on ACCESSORIES

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

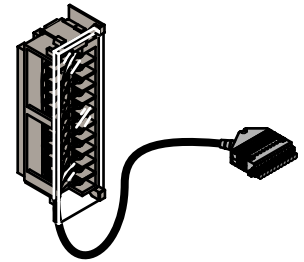
Characteristics

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

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			IC 693 ALG 392		
			Boards 4 I ANA		
			HE 693 ADC 406		

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

interfast 2



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

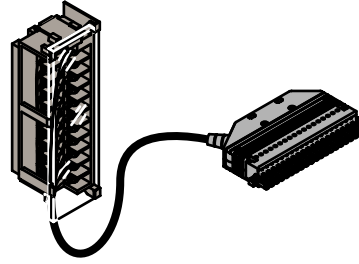


■ Wire markers optional:
Consult us

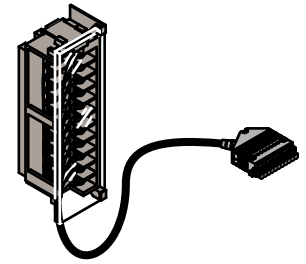
■ Accessories:
see section on ACCESSORIES

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

Board 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

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

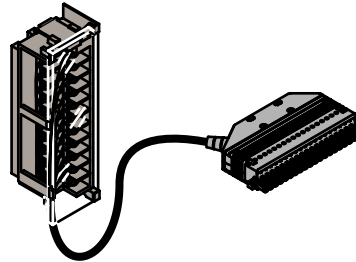


■ Wire markers optional:
Consult us

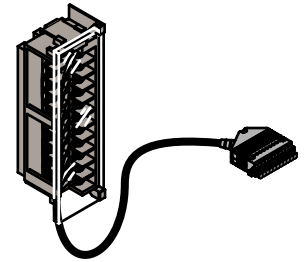
■ Accessories:
see section on ACCESSORIES

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

Board 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

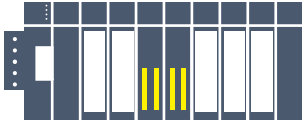
Characteristics

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

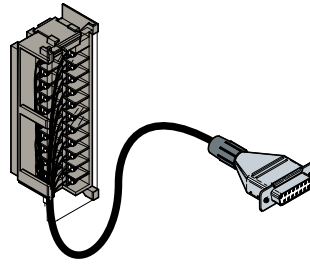


■ Wire markers optional:
Consult us

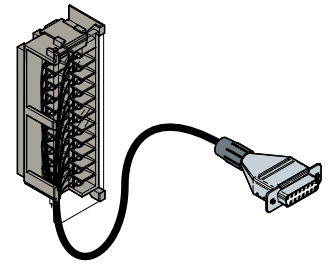
■ Accessories:
see section on ACCESSORIES

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

Board 16 O ANA Voltage outputs



Board 16 O ANA Current outputs



Board 16 O ANA Voltage outputs			Board 16 O ANA Current outputs			
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface	
Boards 16 O ANA IC 693 ALG 392	Sub D 15		Boards 16 O ANA IC 693 ALG 392	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	FA150/80-35/SubD15/230	0026 528.16	0028 528.20	FA150/80-35/SubD15/231	0026 534.04	0028 534.16
2 m	FA200/80-35/SubD15/230	0026 529.17	0028 529.21	FA200/80-35/SubD15/231	0026 535.05	0028 535.17
2,5 m						
3 m	FA300/80-35/SubD15/230	0026 531.01	0028 531.13	FA300/80-35/SubD15/231	0026 537.07	0028 537.11
4 m						
5 m	FA500/80-35/SubD15/230	0026 533.03	0028 533.15	FA500/80-35/SubD15/231	0026 539.11	0028 539.23

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	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

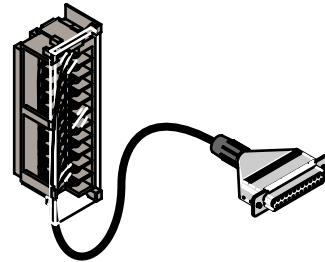


■ Wire markers optional:
Consult us

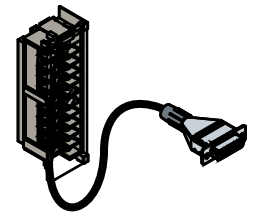
■ Accessories:
see section on ACCESSORIES

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 4 I / 2 O ANA



Board 6 I ANA



Board 16 I ANA Board 16 O ANA Board 6 I ANA Board 4 I / 2 O ANA			Board 6 I ANA			
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface	
Boards 16 I ANA IC 693 ALG 222	Sub D 25		Boards 6 I ANA HE 693 THM 668	Sub D 15		
IC 693 ALG 223	Sub D 25					
Boards 16 O ANA IC 693 ALG 392	Sub D 25					
Boards 6 I ANA HE 693 RTD 6xx	Sub D 25					
Boards 4 I / 2 O ANA IC 693 ALG 442	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/SubD15/237	0026 570.24	0028 570.06
2 m	FA200/80-35/SubD25/177	0026 211.10	0028 211.22	FA200/80-35/SubD15/237	0026 571.11	0028 571.23
2,5 m						
3 m	FA300/80-35/SubD25/177	0026 213.12	0028 213.24	FA300/80-35/SubD15/237	0026 573.13	0028 573.25
4 m						
5 m	FA500/80-35/SubD25/177	0026 215.14	0028 215.26	FA500/80-35/SubD15/237	0026 575.15	0028 575.27

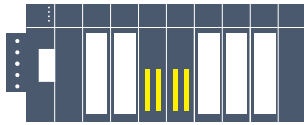
Characteristics

Type of interface connector	1 Sub D 25 female points	1 Sub D 15 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded AWG 22
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

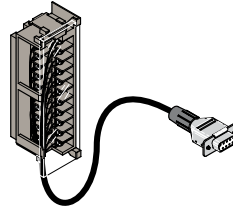


■ Wire markers optional:
Consult us

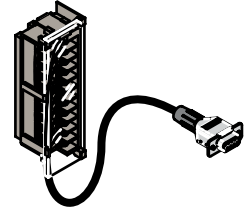
■ Accessories:
see section on ACCESSORIES

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

Board 4 I ANA 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

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

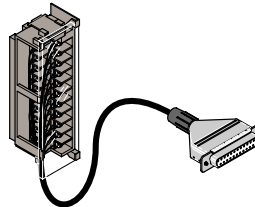


■ Wire markers optional:
Consult us

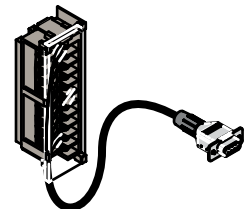
■ Accessories:
see section on ACCESSORIES

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

Board 4 I ANA



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

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

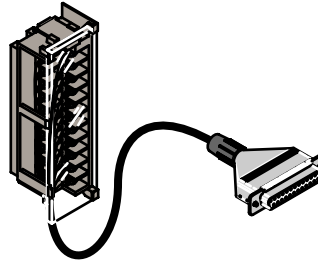
interfast 2



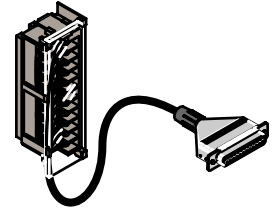
**PLC GE FANUC 90-30
CEGELEC 80-35**
Swing arm with cable and
Sub D connectors



Board 12 I / 4 O DIGITAL (Pulse Counter)



Board 2 O ANA



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

interfast 3



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



■ Wire markers optional:
Consult us

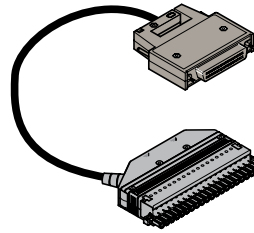
■ Accessories:
see section on ACCESSORIES

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

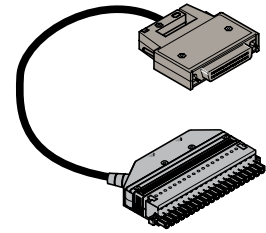
Characteristics

Type of interface connector	1 Omniconnect 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

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	⁽¹⁾		IC 693 MDL 655 ⁽¹⁾		16 opto N/P
IC 693 MDL 655	⁽¹⁾		Boards 32 O DIGITAL		
			IC 693 MDL 753	⁽²⁾	16 Relays N ⁽²⁾ / 16 opto N ⁽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/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

interfast 3



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



■ Wire markers optional:
Consult us

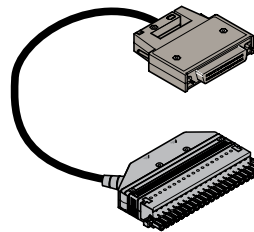
■ Accessories:
see section on ACCESSORIES

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

Characteristics

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

Board 32 O DIGITAL



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

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

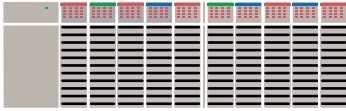
Length	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/FUJITSU/OMN20/172/UL		0028 138.21
2 m	FA200/FUJITSU/OMN20/172/UL		0028 139.22
2,5 m			
3 m	FA300/FUJITSU/OMN20/172/UL		0028 141.24
4 m			
5 m	FA500/FUJITSU/OMN20/172/UL		0028 143.26

interfast 2

Swing arm pre-wired by ENTRELEC

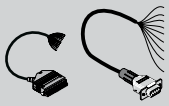
interfast 3

PLC used has a connector on the card



Multipurpose cable

See chapter
"Connection cables"



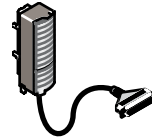
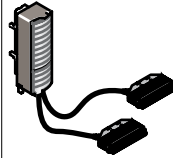
HDI High density range



STI standard range



Sub D range Shielded cable



References

	See page	See page		
Boards 32 I DIGITAL				
1756 - IB 32	Page 83			
1756 - IV 32	Page 83			
Boards 32 O DIGITAL				
1756 - OB 32	Page 83			
Boards 16 I DIGITAL				
1756 - IA 16I	Page 84			
1756 - IB 16I	Page 84			
1756 - IH 16I	Page 84			
1756 - IM 16I	Page 84			
1756 - IB 16D	Page 83			
1756 - IA 16	Page 84			
1756 - IB 16	Page 84			
1756 - IC 16	Page 84			
1756 - IN 16	Page 84			
1756 - IV 16	Page 84			
Boards 16 O DIGITAL				
1756 - OA 16I	Page 84			
1756 - OB 16I	Page 84			
1756 - OB 16IS	Page 84			
1756 - ON 16I	Page 84			
1756 - OB 16D	Page 84			
1756 - OA 16	Page 85			
1756 - OB 16E	Page 85			
1756 - OW 16I	Page 84			
1756 - OV 16E	Page 85			
Boards 8 I DIGITAL				
1756 - IA 8D	Page 85			
Boards 8 O DIGITAL				
1756 - OX 8I	Page 84			
1756 - OB 8EI	Page 85			
1756 - OA 8EI				
1756 - OH 8EI	Page 84			
1756 - OA 8	Page 86			
1756 - OB 8	Page 86			
1756 - OC 8	Page 86			
1756 - ON 8	Page 86			
1756 - OA 8D	Page 85			
1756 - OA 8E	Page 85			
Boards 16 I ANA				
1756 - IF 16	Page 87	Page 89		
Boards 8 I ANA				
1756 - IF 8	Page 87	Page 89		
Boards 8 O ANA				
1756 - OF 8	Page 87	Page 89		
Boards 6 I ANA				
1756 - IF 6I	Page 87	Page 89		
1756 - IR 6I	Page 87	Page 89		
1756 - IF6 CIS	Page 87	Page 89		
Boards 6 O ANA				
1756 - OF 6CI	Page 87	Page 89		
1756 - OF 6VI	Page 87	Page 90		
Boards 4 O ANA				
1756 - OF 4	Page 88	Page 90		
Boards 4 I / 2 O ANA				
1756 - IF 4 FXO F2 F	Page 88	Page 90		

interfast 2

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



FA150	FA200	FA300	FA500	FA150	FA200	FA300	FA500	FA150	FA200	FA300	FA500	FA150	FA200	FA300	FA500	FA150	FA200	FA300	FA500
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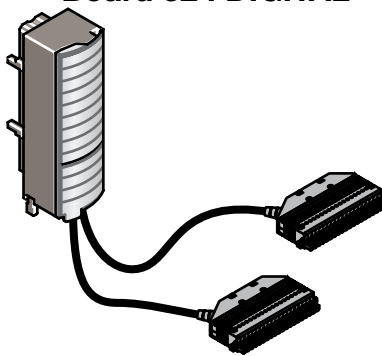
- Wire markers optional: Consult us
- Accessories: see section on ACCESSORIES

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	1756 - TB CH	1756 - TB CH

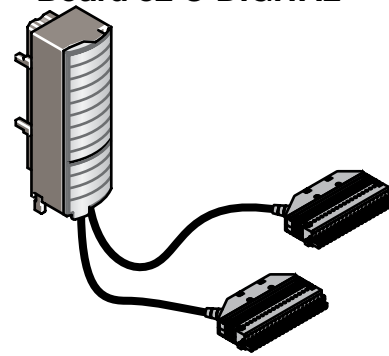
Board 32 I DIGITAL



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface
Boards 32 I DIGITAL		
1756 - IB 32		16 opto P ⁽¹⁾
1756 - IV 32		16 opto N/P ⁽¹⁾

Board 32 O DIGITAL



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface
Boards 32 O DIGITAL		
1756 - OB 32		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/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

interfast 2

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



FA150	FA200	FA300	FA500	FA150	FA200	FA300	FA500	FA150	FA200	FA300	FA500	FA150	FA200	FA300	FA500	FA150	FA200	FA300	FA500
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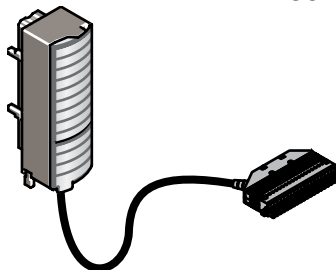
- Wire markers optional: Consult us
- Accessories: see section on ACCESSORIES

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

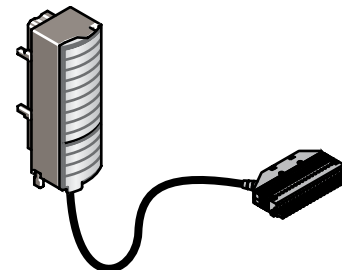
Characteristics

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	1756 - TB CH	1756 - TB CH

Board 16 I DIGITAL



WITH CONNECTOR
INTERFACE
COMMON BY GROUP OF 4



WITH DECOUPLING
INTERFACE
COMMON BY GROUP OF 8

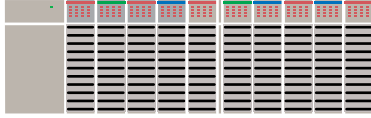
⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL			Boards 16 I DIGITAL		
1756 - IB 16D			1756 - IB 16D		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/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

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		

interfast 2

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



■ Wire markers optional:
Consult us

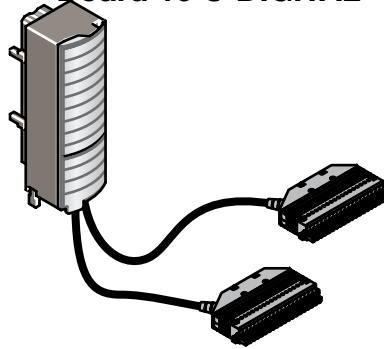
■ Accessories:
see section on ACCESSORIES

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 I DIGITAL Board 16 O DIGITAL

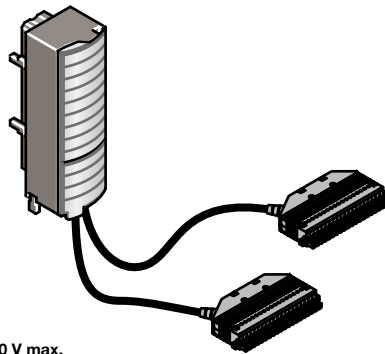


(1) For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL			Boards 16 I DIGITAL		
1756 - IA 16I	2 1 3 4		1756 - IA 16	2 1	
1756 - IB 16I	2 1 3 4		1756 - IB 16	2 1 3 4 (1)	16 opto P (1)
1756 - IH 16I	2 1 3 4		1756 - IC 16	2 1	
1756 - IM 16I	2 1 3 4		1756 - IN 16	2 1	
Boards 16 O DIGITAL			1756 - IV 16	2 1 3 4	16 opto N/P
1756 - OB 16 IS	2 1 3 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/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

Board 16 O DIGITAL Board 8 O DIGITAL



(1) To 120 V max.

(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 1 3 4		1756 - OB 16D	2 1 3 4 (1)	16 Relays N(1) / 16 Opto N(1)
1756 - OB 16I	2 1 3 4				
1756 - ON 16I	2 1 3 4				
1756 - OW 16I	2 1 3 4 (1)				
Boards 8 O DIGITAL					
1756 - OX 8I	2 1 3 4				
1756 - OH 8EI	2 1 3 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/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

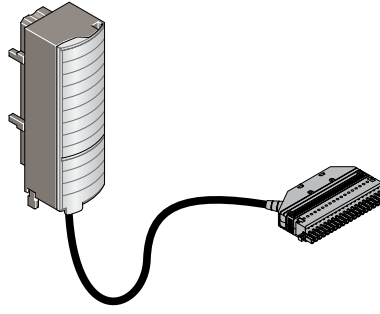
interfast 2



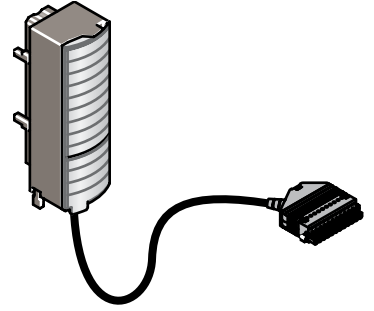
**Allen Bradley® PLC
Control Logix
Swing arm with cable and
Omniconnect connectors**

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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			1756 - OA 8D		
1756 - OB 16E	⁽¹⁾	16 relays N ⁽¹⁾ / 16 opto N ⁽¹⁾	1756 - OA 8E		
1756 - OV 16E		16 relays N/P / 16 opto N/P	Boards 8 I DIGITAL		
			1756 - IA 8D		

■ 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/OMN20/451	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

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

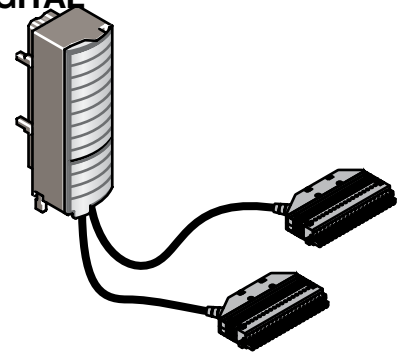
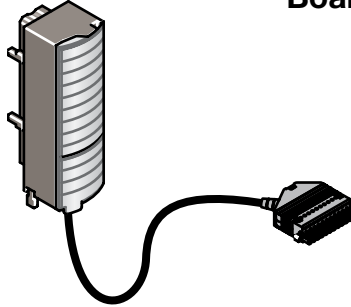
interfast 2



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

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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 8E1	⁽¹⁾	8 Relays ⁽¹⁾ / 8 Opto ⁽¹⁾	1756 - OB 8E1		

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

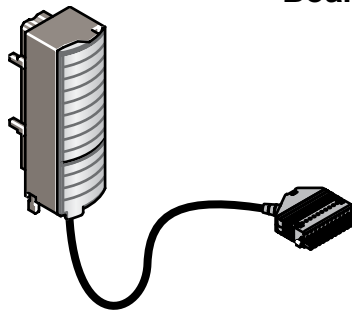
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/CONTROL LOGIX/OMN12/460	0029 750.13	0034 750.00	FA150/Control Logix/2xOMN20/458	0029 738.03	0034 738.20
2 m	FA200/CONTROL LOGIX/OMN12/460	0029 751.00	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

Characteristics

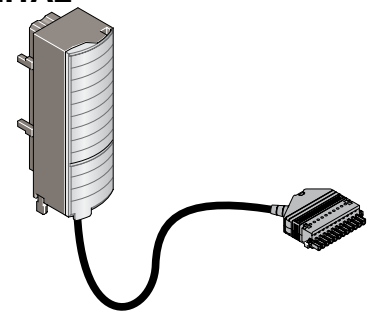
Type of interface connector	1 Omniconnect 12 points	2 Omniconnect 20 points
Wire size	0,34mm ² - 22 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	1756 - TB CH	1756 - TB CH

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	⁽¹⁾	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

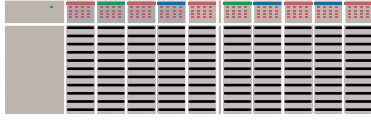
Length	COMMON BY GROUP OF 4			COMMON BY GROUP OF 8		
	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/CONTROL LOGIX/OMN12/454	0029 810.20	0034 810.15	FA150/CONTROL LOGIX/OMN12/455	0029 816.12	0034 816.07
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 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	1756 - TB NH	1756 - TB NH

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

interfast 2

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



■ Wire markers optional:
Consult us

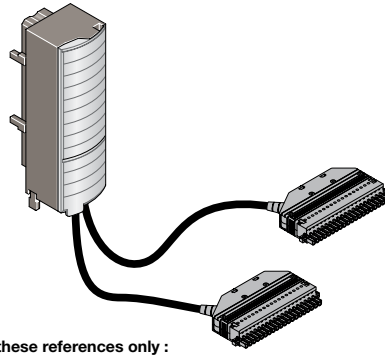
■ Accessories:
see section on ACCESSORIES

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

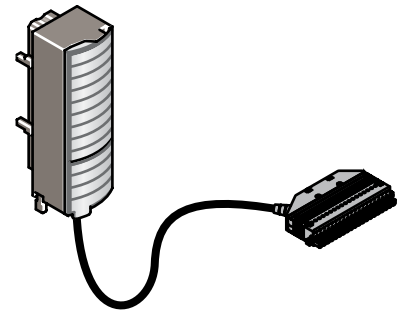
Characteristics

Type of interface connector	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

Board 16 I ANA



Board 8 I ANA

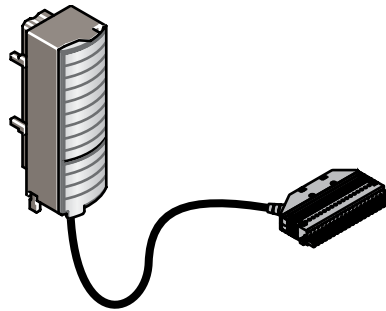


(1) For these references only :
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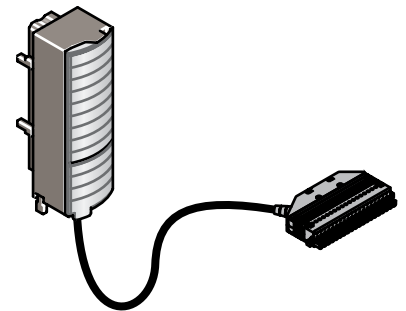
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I ANA			Boards 8 I ANA		
1756 - IF16	(1)		1756 - IF 8		

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/2xOMN20/491	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

Board 8 O ANA



Board 6 I ANA Board 6 O ANA



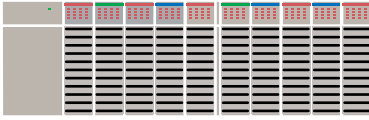
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O ANA			Boards 6 I ANA		
1756 - OF8			1756 - IR 6I		
			1756 - IF 6I		
			1756 - IF 6 CIS		
			Boards 6 O ANA		
			1756 - OF 6 CI		
			1756 - OF 6 VI		

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

interfast 2



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

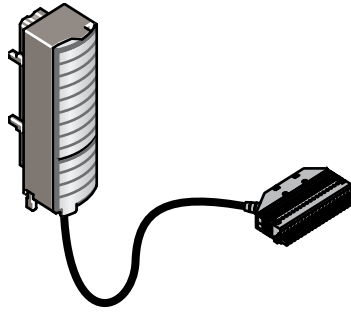


■ Wire markers optional:
Consult us

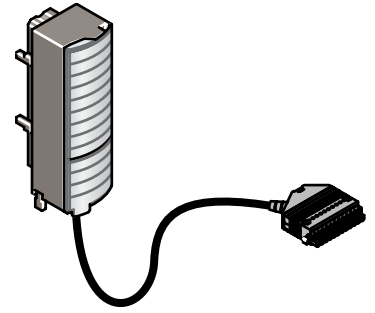
■ Accessories:
see section on ACCESSORIES

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

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			1756 - OF 4		

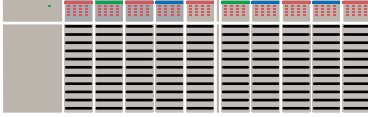
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Control Logix/OMN20/660	0038 014.12	0039 014.13	FA150/Control Logix/OMN12/489	0036 048.22	0037 048.23
2 m	FA200/Control Logix/OMN20/660	0038 015.13	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 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 CH	1756 - TB NH

interfast 2

**Allen Bradley® PLC
Control Logix
Swing arm with cable and
Sub D connectors**

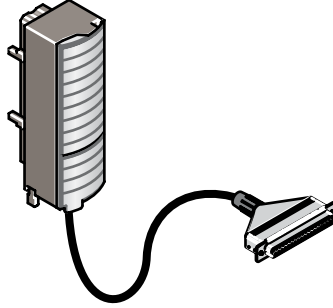


■ Wire markers optional:
Consult us

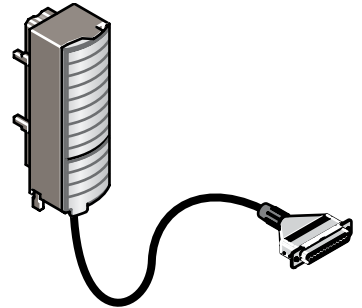
■ Accessories:
see section on ACCESSORIES

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

Board 16 I ANA



Board 8 I ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface	
Boards 16 I ANA 1756 - IF16	Sub D 37		Boards 8 I ANA 1756 - IF 8	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/SUBD37/471	0029 894.11	0034 894.06	FA150/Control Logix/SUBD25/472	0029 900.03	0034 900.20
2 m	FA200/Control Logix/SUBD37/471	0029 895.12	0034 895.07	FA200/Control Logix/SUBD25/472	0029 901.20	0034 901.15
2,5 m						
3 m	FA300/Control Logix/SUBD37/471	0029 897.14	0034 897.01	FA300/Control Logix/SUBD25/472	0029 903.22	0034 903.17
4 m						
5 m	FA500/Control Logix/SUBD37/471	0029 899.26	0034 899.13	FA500/Control Logix/SUBD25/472	0029 905.24	0034 905.11

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	1756 - TB CH	1756 - TB CH

interfast 2

**Allen Bradley® PLC
Control Logix
Swing arm with cable and
Sub D connectors**

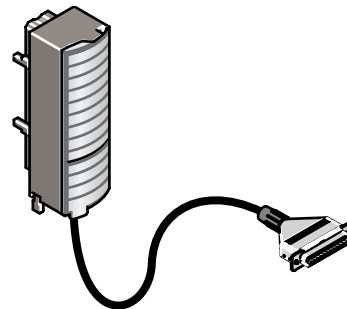


■ Wire markers optional:
Consult us

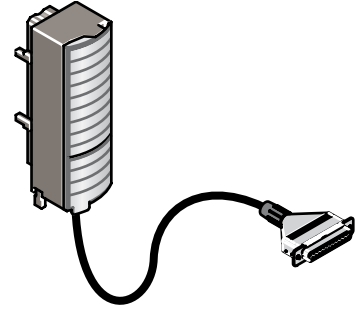
■ Accessories:
see section on ACCESSORIES

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

Board 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 1756 - OF8	Sub D 25		Boards 6 I ANA 1756 - IF 6I	Sub D 25		
			1756 - IR 6I	Sub D 25		
			1756 - IF 6 CIS	Sub D 25		
			Boards 6 O ANA 1756 - OF 6 CI	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/SUBD25/467	0029 870.04	0034 870.21	FA150/Control Logix/SUBD25/468	0029 876.26	0034 876.13
2 m	FA200/Control Logix/SUBD25/467	0029 871.21	0034 871.16	FA200/Control Logix/SUBD25/468	0029 877.27	0034 877.14
2,5 m						
3 m	FA300/Control Logix/SUBD25/467	0029 873.23	0034 873.10	FA300/Control Logix/SUBD25/468	0029 879.01	0034 879.26
4 m						
5 m	FA500/Control Logix/SUBD25/467	0029 875.25	0034 875.12	FA500/Control Logix/SUBD25/468	0029 881.14	0034 881.01

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	1756 - TB CH	1756 - TB NH

interfast 2



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



■ Wire markers optional:
Consult us

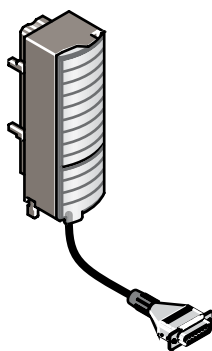
■ Accessories:
see section on ACCESSORIES

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

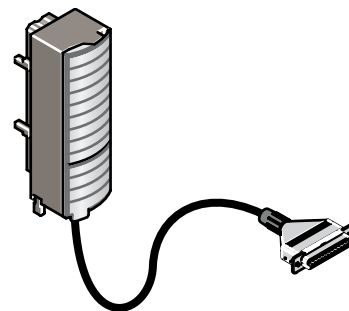
Characteristics

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 reference	1756 - TB NH

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

interfast 2



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



■ Wire markers optional:
Consult us

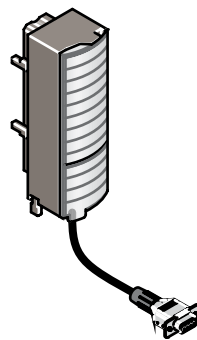
■ Accessories:
see section on ACCESSORIES

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

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

Board 4 O ANA

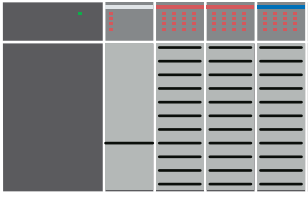


Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 O ANA					
1756 - OF4	Sub D 9				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *
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

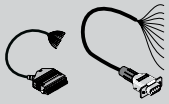
CONNECTION TECHNOLOGY SELECTION GUIDE

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



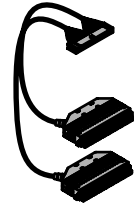
Sub D range Shielded cable



interfast 3

PLC used has a connector on the card

STI range cable



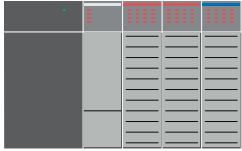
References

	See page	See page	See page
Boards 32I DIGITAL			
1746 - IB32			Page 97
1746 - IV32			Page 97
Boards 32O DIGITAL			
1746 - OB32			Page 97
1746 - OB32E			Page 97
1746 - OV32			Page 97
Boards 16I DIGITAL			
1746 - IA16	Page 93		
1746 - IB16	Page 93		
1746 - ITB16	Page 93		
1746 - IG16	Page 93		
1746 - IM16	Page 93		
1746 - IN16	Page 93		
1746 - IV16	Page 93		
1746 - ITV16	Page 93		
Boards 16O DIGITAL			
1746 - OA16	Page 93		
1746 - OB16	Page 93		
1746 - OBP16	Page 93		
1746 - OG16	Page 93		
1746 - OV16	Page 93		
1746 - OVP16	Page 93		
1746 - OW16	Page 94		
Boards 8O DIGITAL			
1746 - OX8	Page 94		
Boards 6I / 6O DIGITAL			
1746 - IO12	Page 94		
Boards 8I ANA			
1746 - NI8	Page 95	Page 96	
Boards 4O ANA			
1746 - NO4V	Page 95	Page 96	
1746 - NO4I	Page 95	Page 96	
Boards 4I ANA			
1746 - NI4	Page 95	Page 96	
Boards 2O / 2I ANA			
1746 - NI04I	Page 95	Page 96	
1746 - NI04V	Page 95	Page 96	

interfast 1

Allen Bradley® PLC SLC 500

Swing arm adapted with a connector



- Wire markers optional: Consult us
 - Accessories: see section on ACCESSORIES
- Recommended cable lengths in boldface type*

Characteristics

Max. voltage	60 V AC / DC
Maximum current per point	1 A
Maximum current in common	2 A
Test voltage	1 kV



FAS SLC-1
1SNA 020 949 R0200



Wires with ferrules

Board 16 I DIGITAL Board 8 I ANA

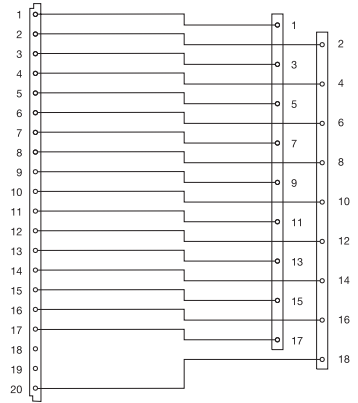
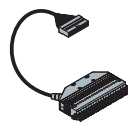
HE 10/20	Colour
1	White
2	Brown
3	Green
4	Yellow
5	Grey
6	Pink
7	Blue
8	Red
9	Black
10	Violet
11	Grey-Pink
12	Red-Blue
13	White-Green
14	Brown-Green
15	White-Yellow
16	Yellow-Brown
17	White-Grey
18	Grey-Brown
19	White-Pink
20	Pink-Brown

Type of cable	Reference with UL cables
LAF100/HE10-20/UNI/662/UL	003900706
LAF150/HE10-20/UNI/662/UL	1SNA 039 008 F2500
LAF200/HE10-20/UNI/662/UL	1SNA 039 009 F0600
LAF300/HE10-20/UNI/662/UL	1SNA 039 011 F0400
LAF500/HE10-20/UNI/662/UL	1SNA 039 013 F2200

Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL		
1746-IB16 Kit A (X1)		16 opto P
1746-IN16 Kit A (X1)		16 opto P⁽¹⁾
1746-IV16 Kit A (X1)		16 opto N/P
1746-ITV16 Kit A (X1)		16 opto N/P
1746-ITB16 Kit A (X1)		16 opto P
Boards 8 I ANA		
1746-NI8 Kit A (X1)		

Type of cable	Reference with UL cables
LA100/HE10-20/OMN20/661/UL	003900002
LA150/HE10-20/OMN20/661/UL	003900127
LA200/HE10-20/OMN20/661/UL	003900220
LA300/HE10-20/OMN20/661/UL	003900422
LA500/HE10-20/OMN20/661/UL	003900624

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



Wiring diagram

interfast 1

Allen Bradley® PLC SLC 500

Swing arm adapted with a connector



- Wire markers optional: Consult us
 - Accessories: see section on ACCESSORIES
- Recommended cable lengths in boldface type*

Characteristics

Max. voltage	60 V AC / DC
Maximum current per point	1 A
Maximum current in common	2 A
Test voltage	1 kV



FAS SLC-2
1SNA 020 950 R0700



Wires with ferrules

Board 16 I DIGITAL Board 16 O DIGITAL

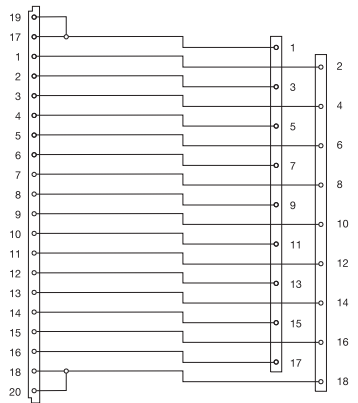
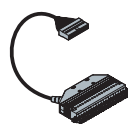
HE 10/20	Colour
1	White
2	Brown
3	Green
4	Yellow
5	Grey
6	Pink
7	Blue
8	Red
9	Black
10	Violet
11	Grey-Pink
12	Red-Blue
13	White-Green
14	Brown-Green
15	White-Yellow
16	Yellow-Brown
17	White-Grey
18	Grey-Brown
19	White-Pink
20	Pink-Brown

Type of cable	Reference with UL cables
LAF100/HE10-20/UNI/662/UL	003900706
LAF150/HE10-20/UNI/662/UL	1SNA 039 008 F2500
LAF200/HE10-20/UNI/662/UL	1SNA 039 009 F0600
LAF300/HE10-20/UNI/662/UL	1SNA 039 011 F0400
LAF500/HE10-20/UNI/662/UL	1SNA 039 013 F2200

Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL		
1746-IG16 Kit A (X1)		
Boards 16 O DIGITAL		
1746-OB16 Kit ABC (X1)		16 relay N⁽¹⁾/16 opto N⁽¹⁾
1746-OB16E Kit ABC (X1)		16 relay N⁽¹⁾/16 opto N⁽¹⁾
1746-OBP16 Kit ABC (X1)		16 relay N /16 opto N
1746-OG16 Kit A (X1)		
1746-OV16 Kit AC (X1)		16 relay P⁽¹⁾/16 opto P⁽¹⁾
1746-OVP16 Kit AC (X1)		16 relay P / 16 opto P

Type of cable	Reference with UL cables
LA100/HE10-20/OMN20/661/UL	003900002
LA150/HE10-20/OMN20/661/UL	003900127
LA200/HE10-20/OMN20/661/UL	003900220
LA300/HE10-20/OMN20/661/UL	003900422
LA500/HE10-20/OMN20/661/UL	003900624

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



Wiring diagram

interfast 2

Allen Bradley® PLC
SLC 500
Swing arm with cable and
Omniconnect connectors

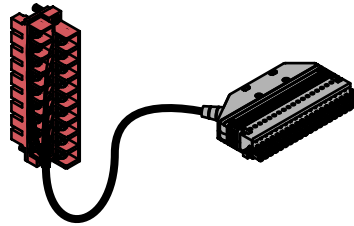


■ Wire markers optional:
Consult us

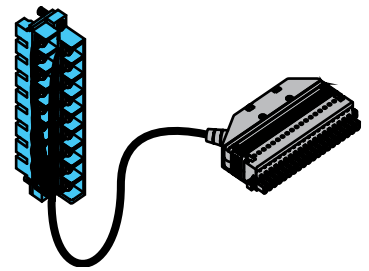
■ Accessories:
see section on ACCESSORIES

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

Board 16 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

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

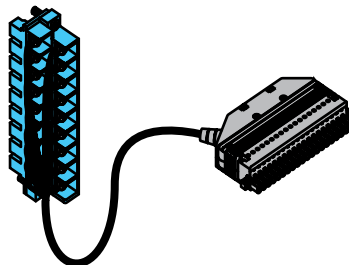


■ Wire markers optional:
Consult us

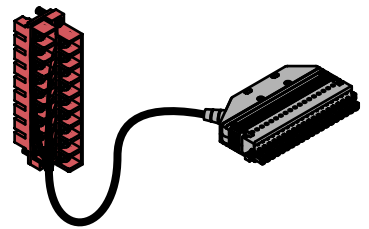
■ Accessories:
see section on ACCESSORIES

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

Board 16 I DIGITAL Board 16 O DIGITAL



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	16Relays P ⁽¹⁾ / 16 opto P ⁽¹⁾			
1746-OB 16	2 3 ⁽¹⁾	16Relays N ⁽¹⁾ / 16 opto N ⁽¹⁾			
1746-OG 16	2				
1746-OBP 16	2 3	16Relays N / 16 opto N			
1746-OVP 16	2	16Relays 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

Characteristics

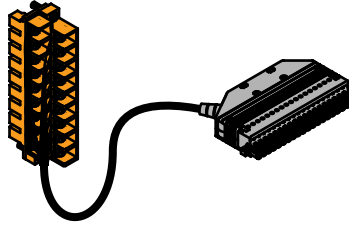
Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	1746-RT25B	1746-RT25R

interfast 2

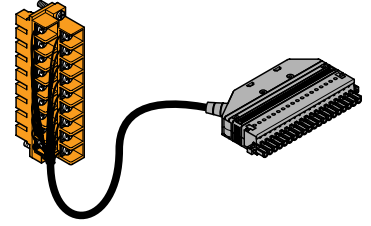
Allen Bradley® PLC
SLC 500
Swing arm with cable and
Omniconnect connectors



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.			Boards 8 O DIGITAL		
1746-OW 16		16Relays N ⁽¹⁾ / 16 opto N ⁽¹⁾	1746-OX 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

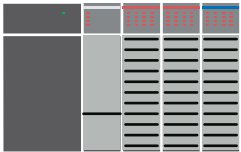
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/SLC RT25C/OMN20/103	0021 640.05	0027 640.03	FA150/SLC RT25C/OMN20/104	0021 646.27	0027 646.25
2 m	FA200/SLC RT25C/OMN20/103	0021 641.22	0027 641.20	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

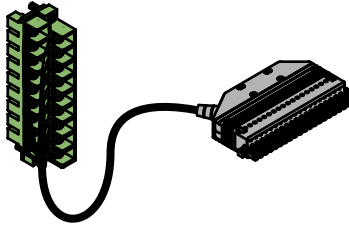
Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	1746-RT25C	1746-RT25C

interfast 2

Allen Bradley® PLC
SLC 500
Swing arm with cable and
Omniconnect connectors



Board 6 I / 6 O DIGITAL



Type of board	Connector interface	Decoupling interface			
Boards 6 I / 6 O DIGI.					
1746-IO 12					

■ 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	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		

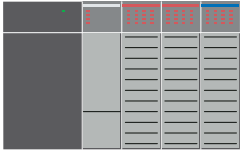
Characteristics

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 Omnicconnect connectors

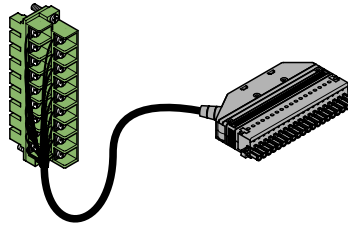


■ Wire markers optional:
 Consult us

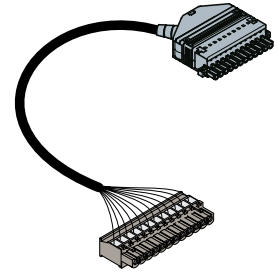
■ Accessories:
 see section on ACCESSORIES

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 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

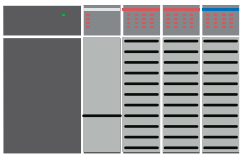
Characteristics

Type of interface connector	1 Omnicconnect 20 points	1 Omnicconnect 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 Omnicconnect connectors

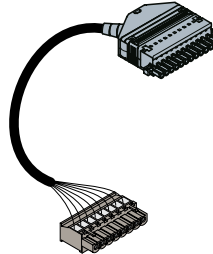


■ Wire markers optional:
 Consult us

■ 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
Boards 4 O ANA		
1746-NO4V		
1746-NO4I		

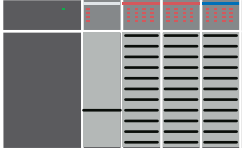
Length	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/SLC RT27/OMN12/483	0036 012.06	0037 012.07
2 m	FA200/SLC RT27/OMN12/483	0036 013.07	0037 013.00
2,5 m			
3 m	FA300/SLC RT27/OMN12/483	0036 015.01	0037 015.02
4 m			
5 m	FA500/SLC RT27/OMN12/483	0036 017.03	0037 017.04

Characteristics

Type of interface connector	1 Omnicconnect 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

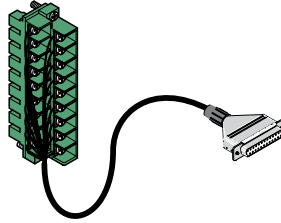


■ Wire markers optional:
Consult us

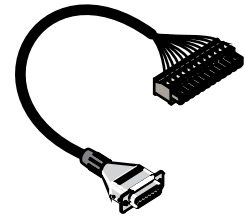
■ Accessories:
see section on ACCESSORIES

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	

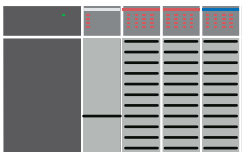
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/SLC RT25G/SUBD25/436	0029 702.00	0034 702.25	FA150/SLC RT28/SUBD15/096	0021 598.10	0027 598.16
2 m	FA200/SLC RT25G/SUBD25/436	0029 703.01	0034 703.26	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

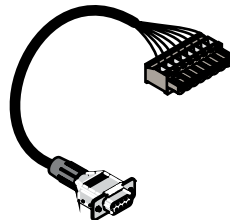


■ Wire markers optional:
Consult us

■ 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
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 *
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

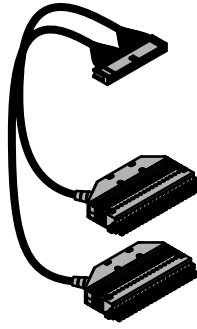
Type of interface connector	1 Sub D 9 female points
Wire size	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM
PLC connector reference	1746-RT27

interfast 3

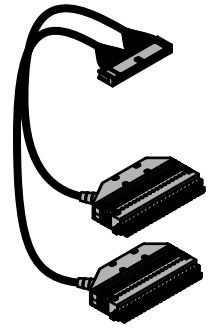
Allen Bradley® PLC
SLC 500
PLC board with built-in
connector. Cable with
Omniconnect connector



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		16 opto P	1746-OB32		16 Relays N ⁽¹⁾ / 16 opto N ⁽¹⁾
1746-IV32		16 opto N/P	1746-OB32 E		16 Relays N / 16 opto N
			1746-OV32		16 Relays P ⁽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

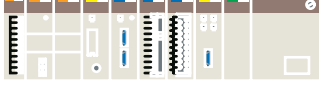
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LA100/HE10-40/2xOMN20/154/UL		0037 560.25	LA100/HE10-40/2xOMN20/153/UL		0037 559.20
1,5 m	LA150/HE10-40/2xOMN20/154/UL		0028 030.24	LA150/HE10-40/2xOMN20/153/UL		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

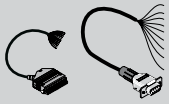
CONNECTION TECHNOLOGY SELECTION GUIDE

**OMRON
PLC C200H**



Multipurpose cable

See chapter
"Connection cables"



interfast 2

Swing arm pre-wired by ENTRELEC

HDI High density range



STI standard range



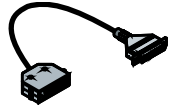
Sub D range Shielded cable



interfast 3

PLC used has a connector on the card

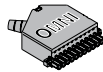
Shielded Sub D cable



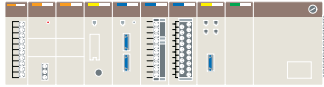
References

	See page	See page	See page	See page
Boards 96 I DIGITAL				
CS1W - ID 291				Page 103
Boards 96 O DIGITAL				
CS1W - OD 291				Page 103
CS1W - OD 292				Page 103
Boards 64 I DIGITAL				
C200H - ID 111 / 217 / 219				Page 105
Boards 64 O DIGITAL				
C200H - OD 219				Page 105
CS1W - OD 262				Page 105
Boards 48 I / 48 O DIGITAL				
CS1W - MD 291				Page 104
CS1W - MD 292				Page 104
Boards 32 I DIGITAL				
C200H - ID 215				Page 105
C200H - ID 216 / 218				Page 105
C200H - ID 501				Page 105
Boards 32 O DIGITAL				
C200H - OD 215				Page 105
C200H - OD 218				Page 105
C200H - OD 501				Page 105
C200H - OD 21B				Page 105
Boards 16 I / 16 O DIGITAL				
C200H - MD 115 / 215 / 501				Page 105
Boards 16 I DIGITAL				
C200H - IA 122 / 222		Page 99		
C200H - ID 212		Page 99		
C200H - IM 212		Page 99		
Boards 16 O DIGITAL				
C200H - OC 224 / 225 / 226		Page 99		
C200H - OD 21A / 212		Page 99		
Boards 12 O DIGITAL				
C200H - OA 222V / 224		Page 99		
C200H - OC 222		Page 99		
C200H - OD 211		Page 99		
C200H - OD 217		Page 99		
Boards 8 I DIGITAL				
C200H - IA 121 / 221		Page 100		
C200H - ID 211		Page 100		
C200H - IM 211		Page 100		
C200H - INT 01		Page 100		
Boards 8 O DIGITAL				
C200H - OA 122-E		Page 100		
C200H - OA 221 / 223		Page 100		
C200H - OC 221		Page 100		
C200H - OC 224V		Page 99		
C200H - OD 213 / 214 / 216 / 411		Page 100		
C200HS - INT 01		Page 100		
Boards 5 O DIGITAL				
C200H - OC 223		Page 100		
Boards 8 I ANA				
C200H - AD 002				Page 106
Boards 8 O ANA				
C200H - DA 002	Page 101	Page 102		

interfast 2



Omron PLC C200H
Swing arm with cable and
Omniconnect connector

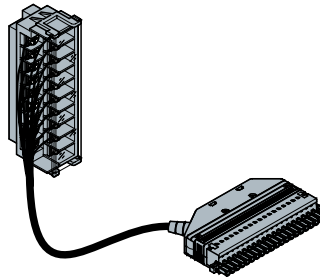


■ Wire markers optional:
Consult us

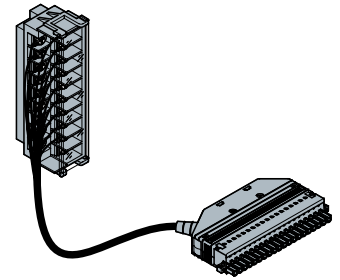
■ Accessories:
see section on ACCESSORIES

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

Board 16 I DIGITAL



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 I DIGITAL			Boards 16 O DIGITAL		
C200H - IA 122			C200H - OC 224		
C200H - IA 222			C200H - OC 225	⁽¹⁾	16 Relays P ⁽¹⁾⁽²⁾ /16 opto P ⁽¹⁾⁽²⁾
C200H - ID 212		16 opto N/P	C200H - OD 212		16 Relays P/16 opto P
C200H - IM 212	⁽¹⁾	16 opto N/P	C200H - OD 21A		
			C200H - OC 226		
			Boards 8 O DIGITAL		
			C200H - OC 224V		

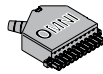
⁽¹⁾ For 24 VDC only
⁽²⁾ Negative common

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

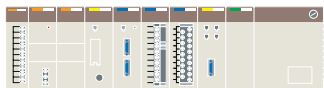
Characteristics

Type of interface connector	1 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	C200H - PAR - PTC 219	C200H - PAR - PTC 219

interfast 2



Omron PLC C200H
Swing arm with cable and
Omniconnect connector

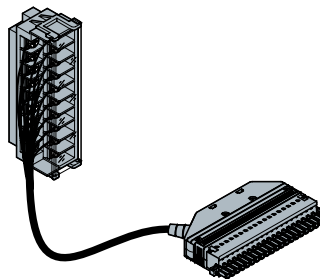


■ Wire markers optional:
Consult us

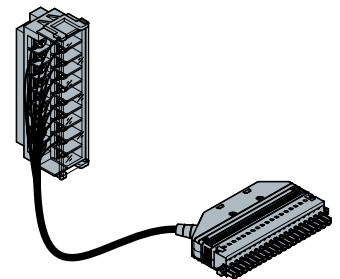
■ Accessories:
see section on ACCESSORIES

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

Boards 12 O DIGITAL



Board 12 O DIGITAL



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

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 12 O DIGITAL			Boards 12 O DIGITAL		
C200H - OA 222V			C200H-OD217	⁽¹⁾	12 Relays N/P ⁽¹⁾
C200H - OA 224					
C200H - OC 222	⁽¹⁾	12 Relays N/P ⁽¹⁾⁽²⁾			
C200H - OD 211		12 Relays N/P			

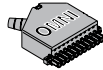
⁽¹⁾ For 24 VDC only

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

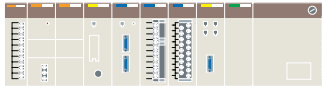
Characteristics

Type of interface connector	1 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	C200H - PAR - PTC 219	C200H - PAR - PTC 219

interfast 2



**Omron PLC C200H
Swing arm with cable and
Omnicconnect connector**

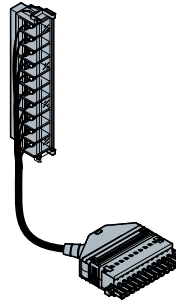


■ Wire markers optional:
Consult us

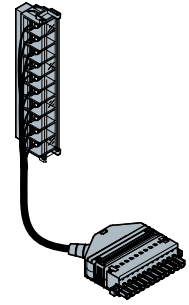
■ Accessories:
see section on ACCESSORIES

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

Board 8 I DIGITAL



Board 8 O DIGITAL



⁽¹⁾ For 24 VDC only

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

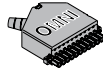
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I DIGITAL			Boards 8 O DIGITAL		
C200H - IA 121			C200H - OA 221		
C200H - IA 221			C200H - OA 223		
C200H - ID 211	⁽¹⁾	8 opto N/P ⁽¹⁾	C200H - OA 122-E		
C200H - IM 211	⁽¹⁾	8 opto N/P ⁽¹⁾	C200H - OC 221	⁽¹⁾	8 Relays P ⁽¹⁾⁽²⁾
C200H - INT 01	⁽¹⁾	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

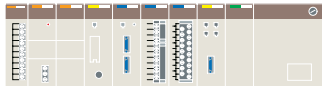
Characteristics

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	C200H - PAR - EPTC 210B	C200H - PAR - EPTC 210B

interfast 2



**Omron PLC C200H
Swing arm with cable and
Omnicconnect connector**

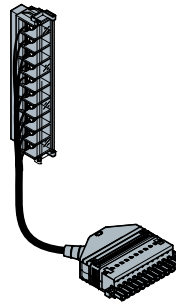


■ Wire markers optional:
Consult us

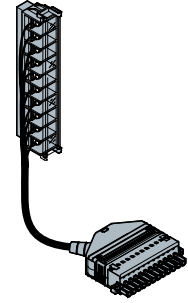
■ Accessories:
see section on ACCESSORIES

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

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		

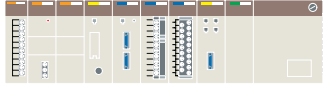
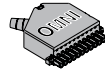
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/C200H/OMN12/274	0026 780.27	0028 780.01	FA150/C200H/OMN12/275	0026 786.11	0028 786.23
2 m	FA200/C200H/OMN12/274	0026 781.14	0028 781.26	FA200/C200H/OMN12/275	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

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	C200H - PAR - EPTC 210 B	C200H - PAR - EPTC 210 B

interfast 2

**Omron PLC C200H
Swing arm with cable and
Omniconnect connector**

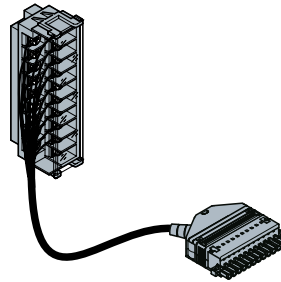


■ Wire markers optional:
Consult us

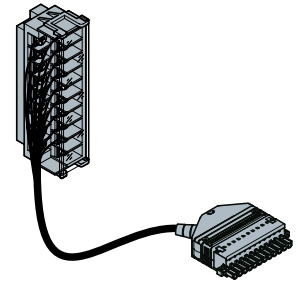
■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface 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	

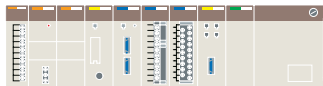
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/C200H/OMN12/520	0036 228.23	0037 228.24	FA150/C200H/OMN12/519	0036 222.15	0037 222.16
2 m	FA200/C200H/OMN12/520	0036 229.24	0037 229.25	FA200/C200H/OMN12/519	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**

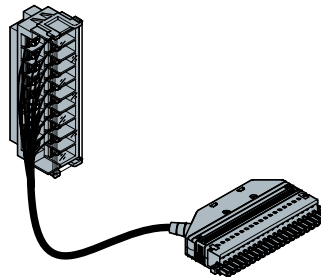


■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Boards 8 O ANA Current / Voltage



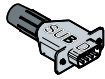
Type of board	Connector interface	Decoupling interface			
Boards 8 O ANA C200H - DA 002	2				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *		
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		

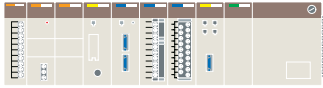
Characteristics

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

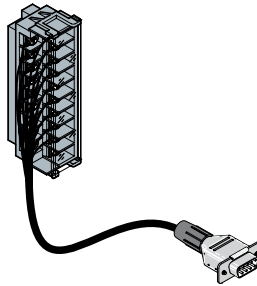


■ Wire markers optional:
Consult us

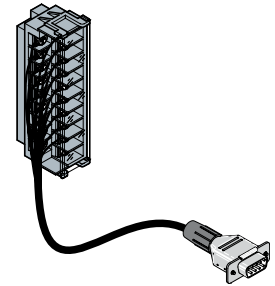
■ Accessories:
see section on ACCESSORIES

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

Boards 8 O ANA Current Output



Board 8 S ANA Voltage source

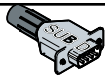


Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface	
Boards 8 O ANA C200H - DA 002	SubD9		Boards 8 S ANA C200H - DA 002	SubD9		
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference 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

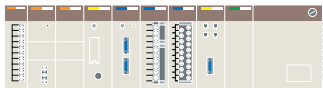
Characteristics

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

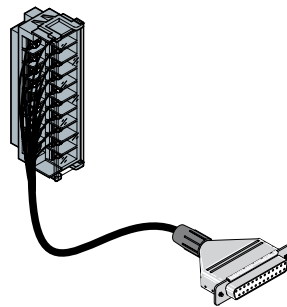


■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Board 8 O ANA



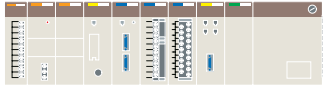
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface	
Boards 8 S ANA C200H - DA 002	SubD25					
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/C200H/SubD25/349	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	1 Sub D 25 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 3

**Omron PLC C200H
PLC board with built-in
connector. Cable with
Omniconnect connector**

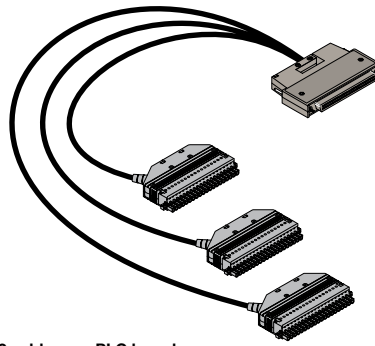


■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

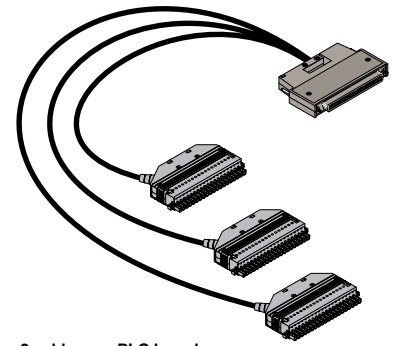
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Board 96 I DIGITAL



Note : 2 cables per PLC board

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 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

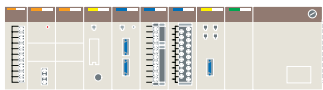
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/OMRON/3xOMN20/594/UL		0037 234.12	FA150/OMRON/3xOMN20/593/UL		0037 240.04
2 m	FA200/OMRON/3xOMN20/594/UL		0037 235.13	FA200/OMRON/3xOMN20/593/UL		0037 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 Omniconnect 20 points	3 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 56 points	Fujitsu 56 points

interfast 3

**Omron PLC C200H
PLC board with built-in
connector. Cable with
Omniconnect connector**

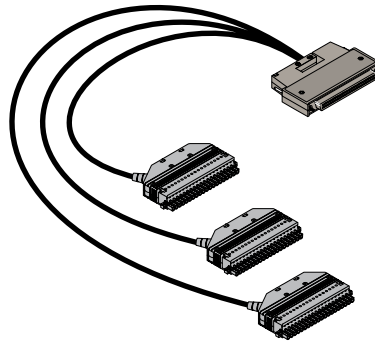


■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Board 96 O DIGITAL



Note : 2 cables per PLC board

Type of board	Connector interface	Decoupling interface			
Boards 96 O DIGITAL					
CS1W-OD292	2 3 6 7	16 relays N / 16 opto N			

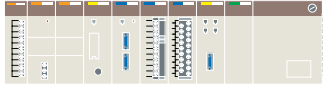
Length	Type of cable	Reference with IEC cables	Reference with UL cables *			
1,5 m	FA150/OMRON/3xOMN20/592/UL		0037 192.01			
2 m	FA200/OMRON/3xOMN20/592/UL		0037 193.02			
2,5 m						
3 m	FA300/OMRON/3xOMN20/592/UL		0037 195.04			
4 m						
5 m	FA500/OMRON/3xOMN20/592/UL		0037 197.06			

Characteristics

Type of interface connector	3 Omniconnect 20 points	3 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 56 points	Fujitsu 56 points

interfast 3

**Omron PLC C200H
PLC board with built-in
connector. Cable with
Omniconnect connector**

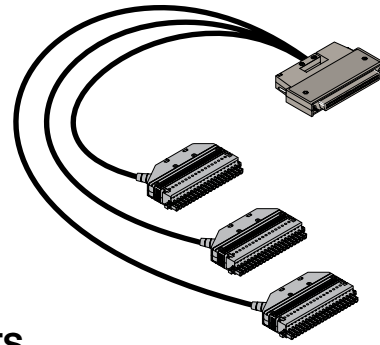


■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Board 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. CS1W-MD291		16 opto N/P	Boards 48I/48O DIG. CS1W-MD291		16 relays P / 16 opto P

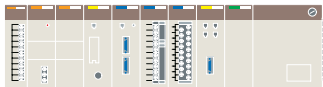
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/OMRON/3xOMN20/594/UL		0037 234.12	FA150/OMRON/3xOMN20/593/UL		0037 240.04
2 m	FA200/OMRON/3xOMN20/594/UL		0037 235.13	FA200/OMRON/3xOMN20/593/UL		0037 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 Omniconnect 20 points	3 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 56 points	Fujitsu 56 points

interfast 3

**Omron PLC C200H
PLC board with built-in
connector. Cable with
Omniconnect connector**

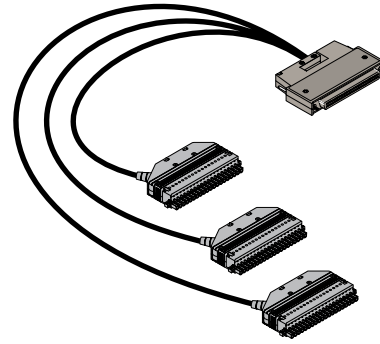


■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Board 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. CS1W-MD292		16 opto N/P	Boards 48I/48O DIG. CS1W-MD292		16 relays N / 16 opto N

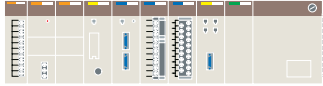
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/OMRON/3xOMN20/594/UL		0037 234.12	FA150/OMRON/3xOMN20/592/UL		0037 192.01
2 m	FA200/OMRON/3xOMN20/594/UL		0037 235.13	FA200/OMRON/3xOMN20/592/UL		0037 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

Characteristics

Type of interface connector	3 Omniconnect 20 points	3 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 56 points	Fujitsu 56 points

interfast 3

Omron PLC C200H
PLC board with built-in
connector. Cable with
Omniconnect connector

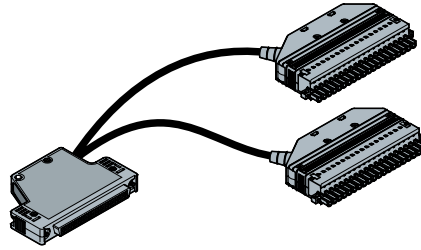


Wire markers optional:
Consult us

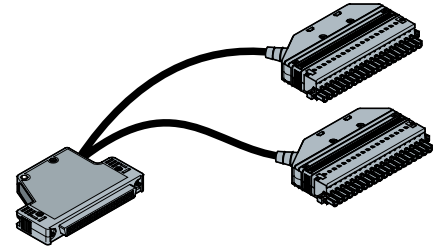
Accessories:
see section on ACCESSORIES

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			

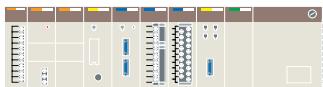
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/OMRON/2xOMN20/269/UL		0028 750.12	FA150/OMRON/2xOMN20/270/UL		0028 756.04
2 m	FA200/OMRON/2xOMN20/269/UL		0028 751.07	FA200/OMRON/2xOMN20/270/UL		0028 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

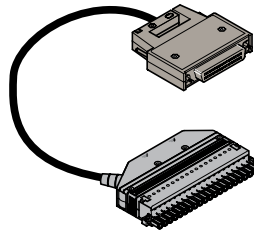


Wire markers optional:
Consult us

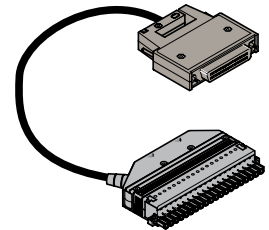
Accessories:
see section on ACCESSORIES

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
(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	Decoupling interface Input	Decoupling interface Output
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

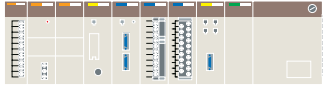
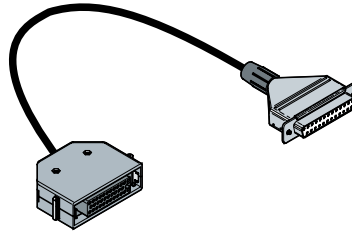
Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	Fujitsu 24 points	Fujitsu 24 points

interfast 3

**Omron PLC C200H
PLC board with built-in
connector. Cable with Sub D
connector**



Board 8 I ANA



Type of board	Connector interface	Decoupling interface		
Boards 8 I ANA				
C200H - AD 002	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

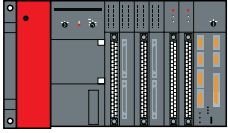
Length	Type of cable	Reference with IEC cables	Reference with UL cables *		
1,5 m	FA150/C200H/SUBD25/285	0026 846.15	0028 846.27		
2 m	FA200/C200H/SUBD25/285	0026 847.16	0028 847.20		
2,5 m					
3 m	FA300/C200H/SUBD25/285	0026 849.20	0028 849.02		
4 m					
5 m	FA500/C200H/SUBD25/285	0026 851.12	0028 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

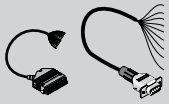
CONNECTION TECHNOLOGY SELECTION GUIDE

MITSUBISHI PLC MELSEC A



Multipurpose cable

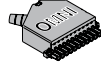
See chapter
"Connection cables"



interfast 2

Swing arm pre-wired by ENTRELEC

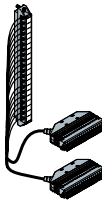
HDI High density range



STI standard range



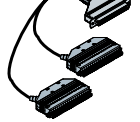
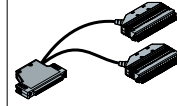
Sub D range Shielded cable



interfast 3

PLC used has a connector on the card

STI range cable



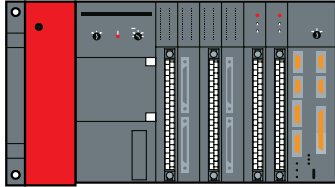
References

	See page	See page	See page	See page	See page	See page
Boards 64 I DIGITAL						
AX42					Page 108	
AX42-S1					Page 108	
AX82						Page 108
Boards 64 O DIGITAL						
AY42					Page 108	
AY42-S1					Page 108	
AY42-S3					Page 108	
AY42-S4						
AY72					Page 108	
AY82EP					Page 108	
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 Omniconnect connector

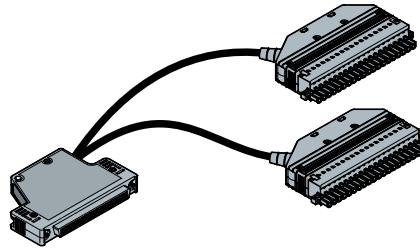


Wire markers optional: Consult us

Accessories: see section on ACCESSORIES

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

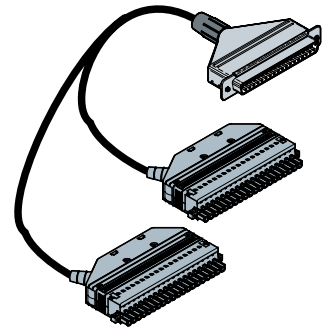
Board 64 I DIGITAL



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)

Length	Board 64 I DIGITAL			Board 64 I DIGITAL		
	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

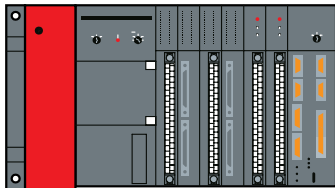
Characteristics

Type of interface connector	2 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	1 Sub D 37 male points

interfast 3



Mitsubishi PLC MELSEC A PLC board with built-in connector. Cable with Omniconnect connector

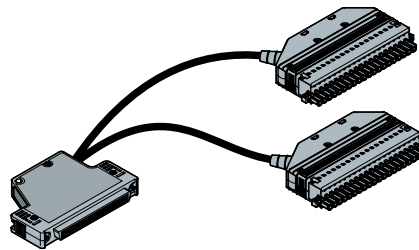


Wire markers optional: Consult us

Accessories: see section on ACCESSORIES

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

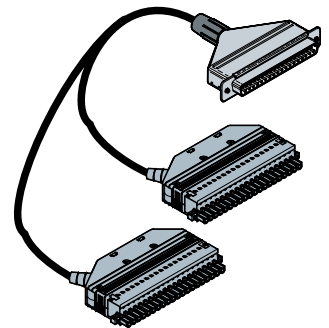
Board 64 O DIGITAL



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)

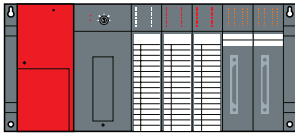
Length	Board 64 O DIGITAL			Board 64 O DIGITAL		
	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/MELSEC/2xOMN20/464/UL		0034 852.13	FA150/MELSEC/2xOMN20/326/UL		0034 092.05
2 m	FA200/MELSEC/2xOMN20/464/UL		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 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	1 Sub D 37 male points

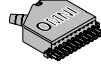
CONNECTION TECHNOLOGY SELECTION GUIDE

MITSUBISHI PLC MELSEC AnS



interfast 2 Swing arm pre-wired by ENTRELEC

HDI High density range



STI standard range

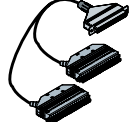
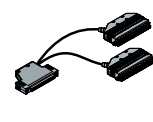


Sub D range Shielded cable



interfast 3 PLC used has a connector on the card

STI range cable



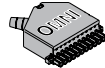
Multipurpose cable

See chapter
"Connection cables"

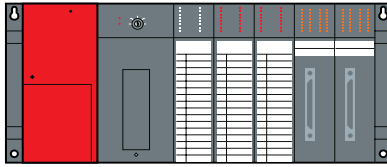


References	See page	See page	See page	See page
Boards 64 I DIGITAL				
A1SX42				Page 110
A1SX42-S2				Page 110
Boards 64 O DIGITAL				
A1SY42				Page 110
Boards 32 I DIGITAL				
A1SX41				Page 110
A1SX41-S2				Page 110
A1SX71				Page 110
A1SX81				Page 110
A1SX81-S2				Page 110
Boards 32 O DIGITAL				
A1SY41				Page 110
A1SY71				Page 110
A1SY81				Page 110
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
Omniconnect connector**



■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

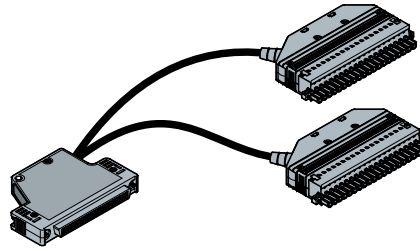
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

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

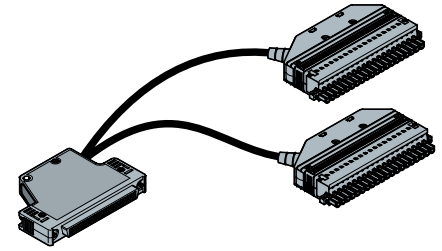
Characteristics

Type of interface connector	2 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

Board 64 I DIGITAL Board 32 I DIGITAL



Board 64 O DIGITAL Board 32 O DIGITAL

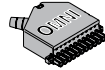


⁽²⁾ Note : 2 cables per PLC board
⁽¹⁾ For 24 VDC only

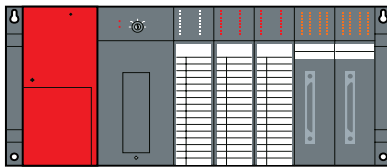
⁽²⁾ Note : 2 cables per PLC board
⁽¹⁾ For 24 VDC only

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 ⁽¹⁾ 6 7 ⁽¹⁾	16 opto N/P ⁽¹⁾	A1SY42 ⁽²⁾	2 6	16 relays P ⁽¹⁾
A1SX42-S2 ⁽²⁾	2 3 6 7	16 opto N/P	Boards 32 O DIGIT.		
Boards 32 I DIGIT.			A1SY41	2 6	16 relays P ⁽¹⁾
A1SX41	2 3 ⁽¹⁾ 6 7 ⁽¹⁾	16 opto N/P ⁽¹⁾	A1SY71	2 6	
A1SX41-S2	2 3 6 7	16 opto N/P			
A1SX71	2 3 ⁽¹⁾ 6 7 ⁽¹⁾	16 opto N/P ⁽¹⁾			

interfast 3



**Mitsubishi PLC MELSEC AnS
PLC board with built-in
connector. Cable with
Omniconnect connector**



■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

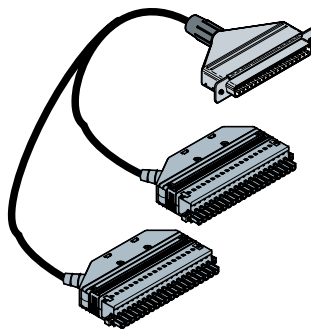
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

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

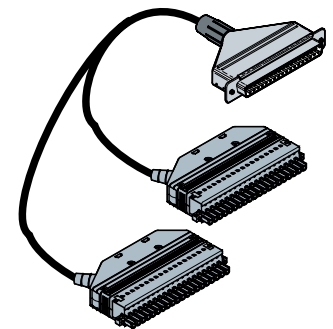
Characteristics

Type of interface connector	2 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	Sub D 37 male points	Sub D 37 male points

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	16 opto N/P			



Prewired swing arms

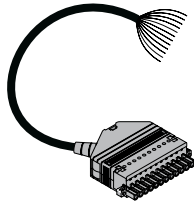
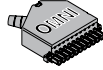
Summary

A9 - Connection cables

Multipurpose cables.....	112
Shielded cables.....	114

interfast 3

Multipurpose cables with Omniconnect connector



Wires identified from 1 to 12

OMNICONNECT 12 PTS

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			
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

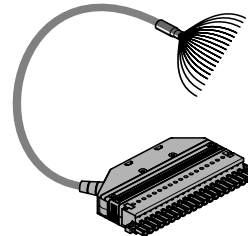
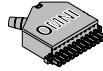
Length	Type of cable	Reference with IEC cables	Reference with UL cables *		
1 m	LA100/OMN12/UL	—	XUSI02563		
1,5 m	LA150/OMN12/UL	—	XUSI02564		
2 m	LA200/OMN12/UL	—	XUSI02565		
2,5 m	LA250/OMN12/UL	—	XUSI02566		
3 m	LA300/OMN12/UL	—	XUSI02567		
4 m	LA400/OMN12/UL	—	XUSI02568		
5 m	LA500/OMN12/UL	—	XUSI02569		

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/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			
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 *		
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

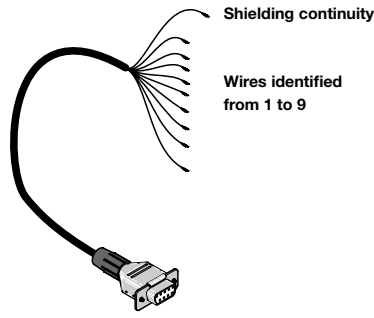
Type of connector	1 Omniconnect 20 points
Wire size	0,25mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM
Max. current/Max. voltage	2 A / 250 V

interfast 3

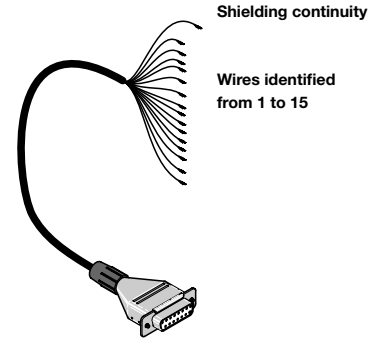
Multipurpose cables with Sub D connector



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

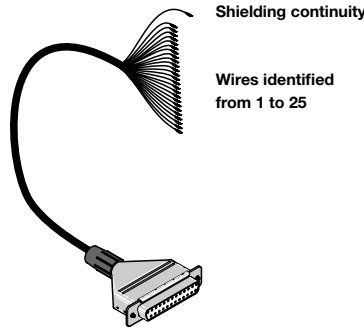
Type of connector	1 Sub D 9 female points	1 Sub D 15 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54Ω/KM - 120 nF/KM
Max. current/Max. voltage	1 A / 60 V	1 A / 60 V

interfast 3

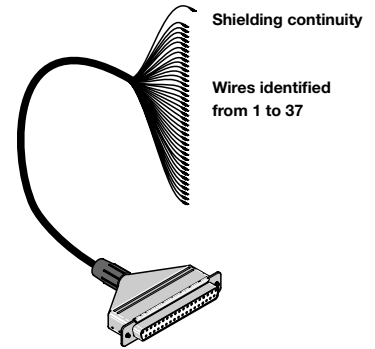
Multipurpose cables with Sub D connector



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

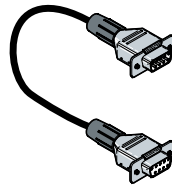
Type of connector	1 Sub D 25 female points	1 Sub D 37 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
Max. current/Max. voltage	1 A / 60 V	1 A / 60 V

interfast 3

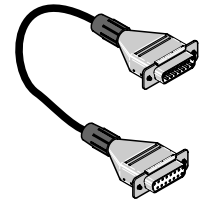
Shielded cables with
Sub D connector to
Sub D connector



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

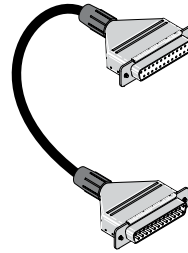
Type of connector	1 Sub D 9 points mâle + 1 Sub D 9 female points	1 Sub D 15 male points + 1 Sub D 15 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
Max. current / Max. voltage	1 A / 60 V	1 A / 60 V

interfast 3

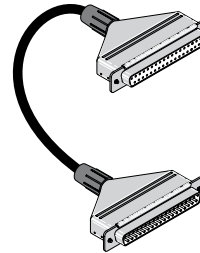
Shielded cables with
Sub D connector to
Sub D connector



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



Terminal block assemblies : Interfast MS

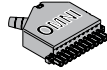
Summary

B1 - Screw connection interfaces	116
B2 - Screw decoupling interfaces	130
B3 - Universal interfaces	137
B4 - Spring connection interfaces	139

B

1

interfast MS

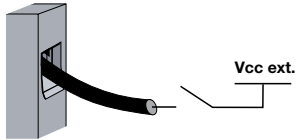


PLC connection interface
8 channels
with screw-clamp connection
Omniconnect product range

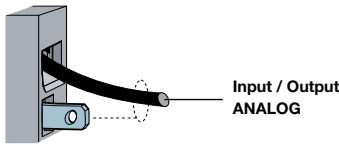
DIN 3

Applications

Single-wire interface

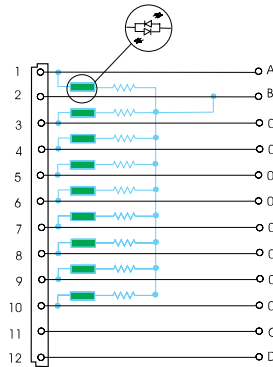
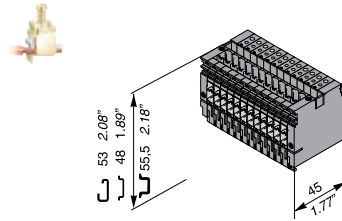


Single-wire Interface with shield connector



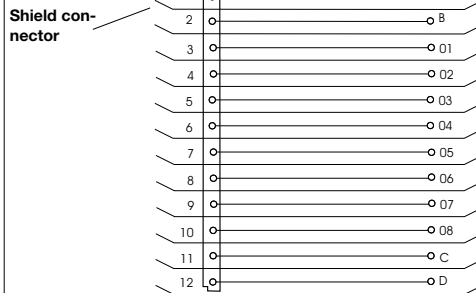
Single-wire interface with terminal blocks MA 2,5/5 - CPE

Spacing 71 mm 2.79"



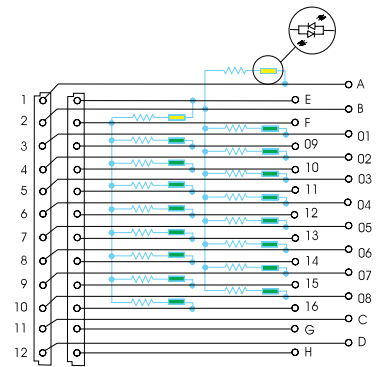
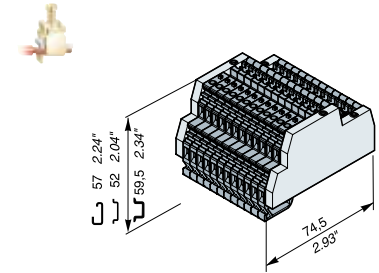
Blue schematic: products equipped with LED

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 2.799"



Blue schematic: products equipped with LED

Part numbers

8 channels without LED	0
8 channels with LEDs	1
2x8 channels without compact LED	4
2x8 channels with compact LEDs	5

Type

BOM-8	0	0621 016.11
BOM-8-L	1	0621 018.23

Part number

Type

B2OM-16	4	0631 000.00
B2OM-16-L	5	0631 002.26

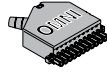
Characteristics

	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	Ø 2 mm 0007 865.26	FC2	Ø 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

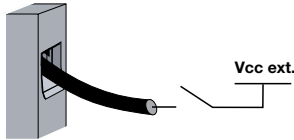


PLC connection interface
8 channels
with screw-clamp connection
Omniconnect product range

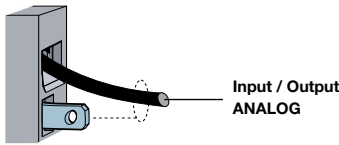
DIN 3

Applications

Single-wire interface

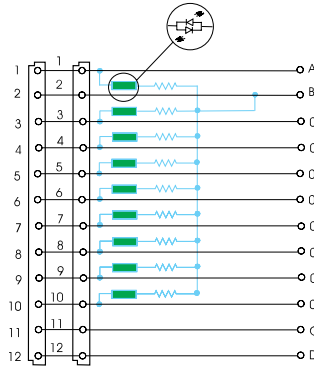
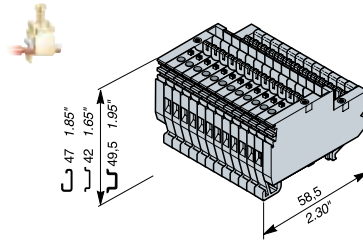


Single-wire Interface with shield connector



Single-wire interface with terminal blocks MA2,5/5-2CPE

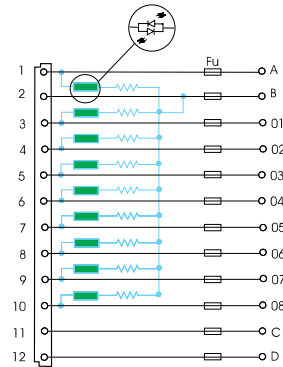
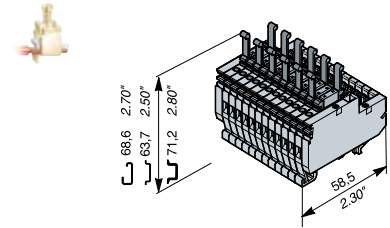
Spacing 71 mm 2.79"



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
8 channels with LEDs		BOM-8-L		0631 006.22
				0631 012.17
				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	30 V 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	BJM15	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	Ø 2 mm 0007 865.26	FC2	Ø 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				
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

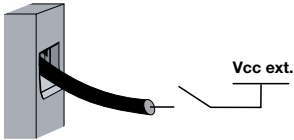


PLC connection interface
8 channels
with screw-clamp connection
Omniconnect product range

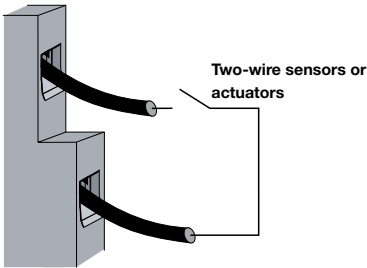
DIN 3

Applications

Single-wire
Interface

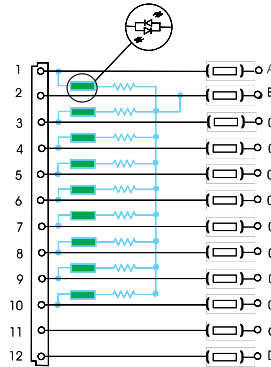
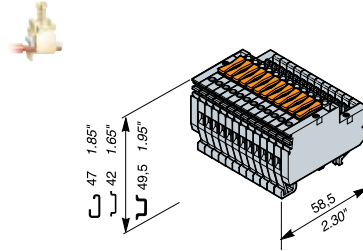


Two-wire
Interface



Interruptible single-wire interface with terminal blocks MA2,5/5-SNB-CPE

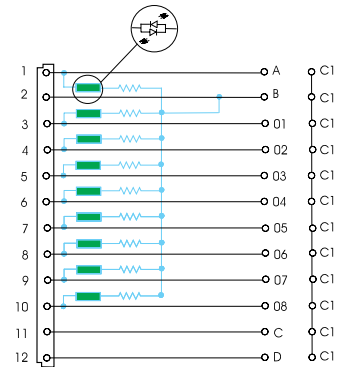
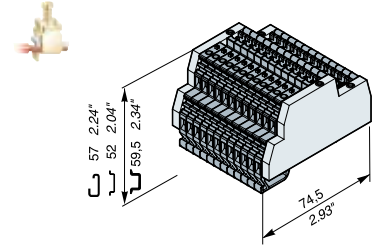
Spacing 71 mm 2.79"



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

8 channels without LED	0
8 channels with LEDs	1

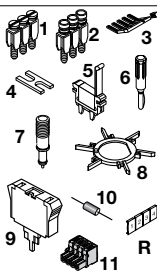
Type	Part number
BOM-8-S 0	0631 016.13
BOM-8-SL 1	0631 018.25

Type	Part number
BOM-8-B	0631 024.13
BOM-8-BL 1	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

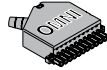


- 1 Jumper bar
- 2 Jumper bar
- 3 Comb jumper
- 4 Connector plate
- 5 Fuse plug
- 6 Test plug
- 7 Test device
- 8 Coding
- 9 Plug with solder tags
- 10 Soldered fuses
- 11 Omniconnect plug
- R See section on marking methods

Type	P/N
PC5	See section on accessories
FC2	Ø 2 mm 0007 865.26
DCB	blue 0105 028.21
COC1	0299 777.16
CPFT2 12 poles	See section on accessories
RC510	

Type	P/N
BJM5	See section on accessories
BJMI5	See section on accessories
PC5	See section on accessories
EL6	0173 627.21
FC2	Ø 2 mm 0007 865.26
DCB	blue 0105 028.21
COC1	0299 777.16
CPFT2 12 poles	See section on accessories
RC510	

interfast MS

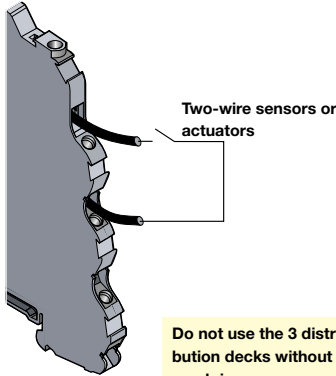


PLC connection interface
8 channels
with screw-clamp connection
Omniconnect product range

DIN 3

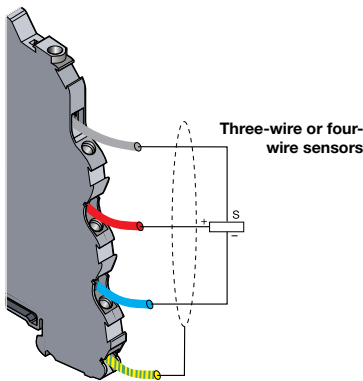
Applications

Two-wire Interface



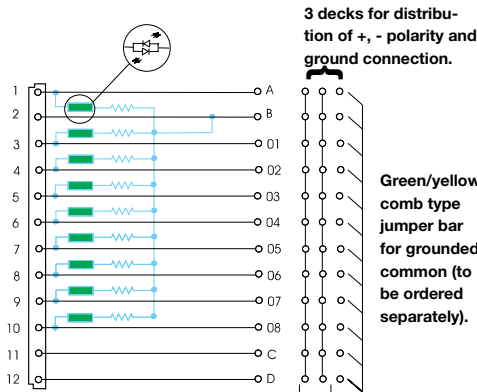
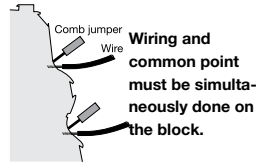
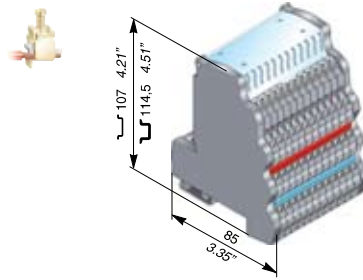
Do not use the 3 distribution decks without the comb jumper.

Three-wire / four-wire Interface

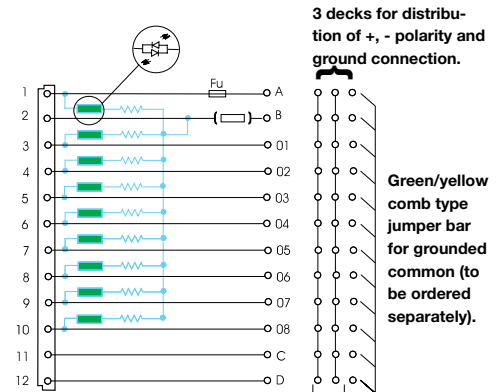
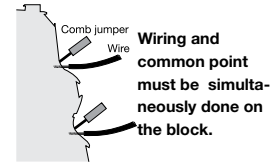
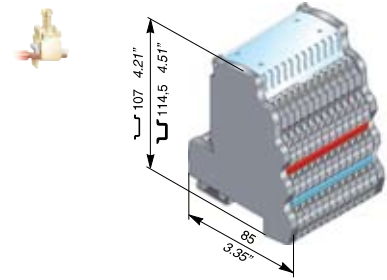


Three-wire or four-wire interface with terminal blocks D2,5/5-T3PI-CPE

Spacing 71 mm 2.79"



Spacing 71 mm 2.79"



Fuse type: 297 Series Littlefuse

Part numbers

8 channels without LED	
8 channels with LEDs	

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

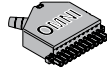
Characteristics

	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	2 A
Max. current in common wires		5 A	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	-20°C to +50°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	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	MS plug			
6	Test plug			
7	Fuse plug			
8	Omniconnect plug	CPFT2 12 poles See section on accessories	BFMS AUTO See section on accessories	
R	See section on marking methods	RC55	CPFT2 12 poles See section on accessories	
			RC55	

interfast MS

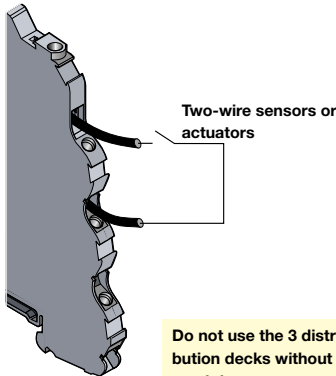


PLC connection interface
8 channels
with screw-clamp connection
Omniconnect product range

DIN 3

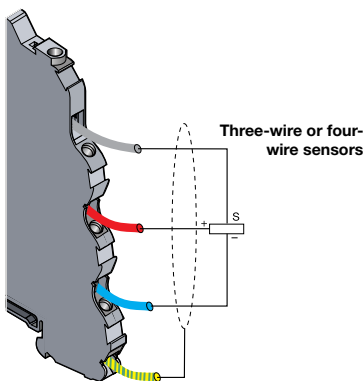
Applications

Two-wire Interface



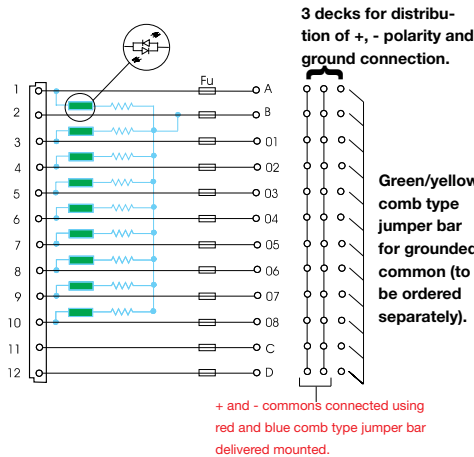
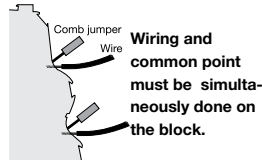
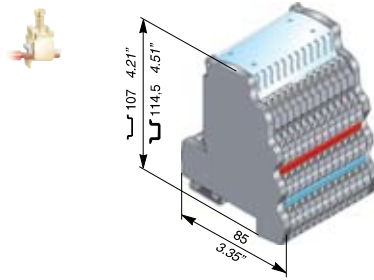
Do not use the 3 distribution decks without the comb jumper.

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 71 mm 2.79"



Blue schematic: products equipped with LED

Fuse type: 297 Series Littlefuse

Part numbers

8 channels without LED	
8 channels with LEDs	

Type

BOM 8/FF/TF-PI	
BOM 8/FF/TFL-PI	

Part number

0631 098.26
0631 096.14

Characteristics

	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
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 MS plug		
6 Test plug		
7 Fuse plug	BFMS AUTO	See section on accessories
8 Omniconnect plug	CPFT2 12 poles	See section on accessories
R	RC55	See section on marking methods

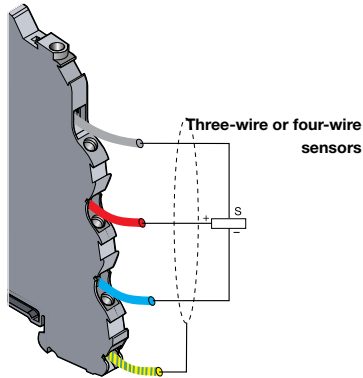
interfast MS



PLC connection interface
8 channels
with screw-clamp connection
Omniconnect product range
DIN 3

Applications

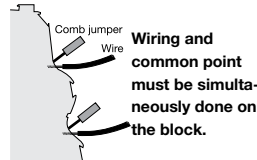
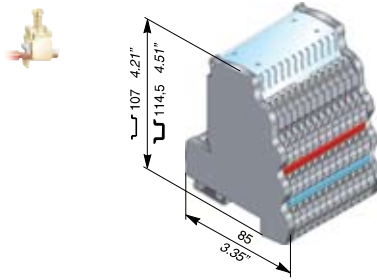
Three-wire / four-wire Interface



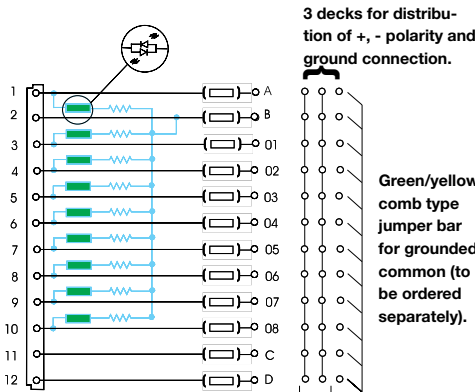
Do not use the 3 distribution decks without the comb jumper.

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.

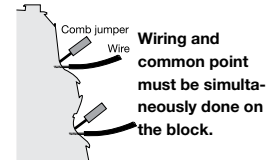
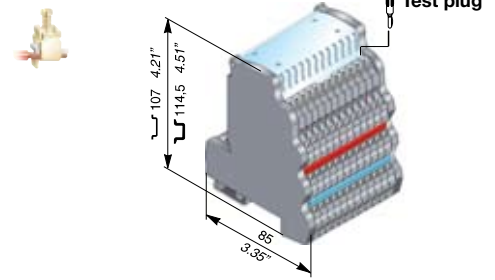


+ and - commons connected using red and blue comb type jumper bar delivered mounted.

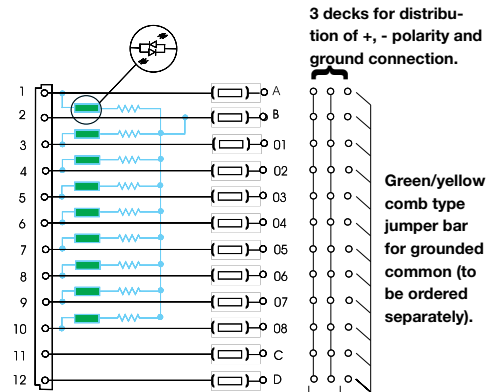
Blue schematic: products equipped with LED

Interruptible three-wire or four-wire interface with test points 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.



+ and - commons connected using red and blue comb type jumper bar delivered mounted.

Blue schematic: products equipped with LED

Part numbers

8 channels without LED	
8 channels with LEDs	

Type	Part number
BOM 8/SS/TS-PI	0631 082.16
BOM 8/SS/TS-L-PI	0631 080.20

Type	Part number
BOM 8/SS/TS1-PI	0631 118.26
BOM 8/SS/TS1L-PI	0631 116.14

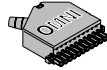
Characteristics

	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 of poles. Please see accessories section. 12 poles	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	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

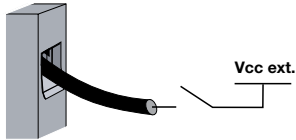
interfast MS



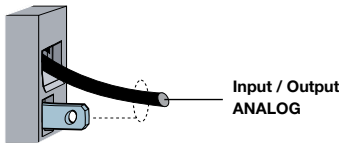
PLC connection interface
16 channels
with screw-clamp connection
Omniconnect product range

DIN 3
Applications

Single-wire
Interface

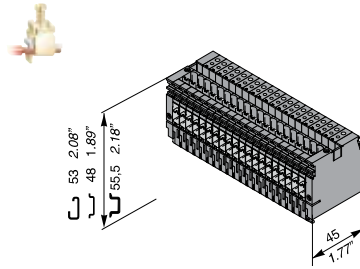


Single-wire
Interface
with shield connector

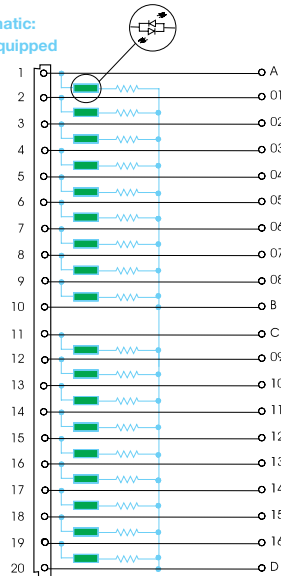


Single-wire interface with terminal blocks MA2,5/5-CPE

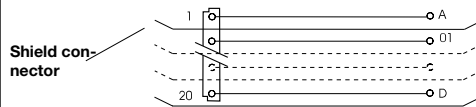
Spacing 112 mm 4.41"



Blue schematic:
products equipped
with LED

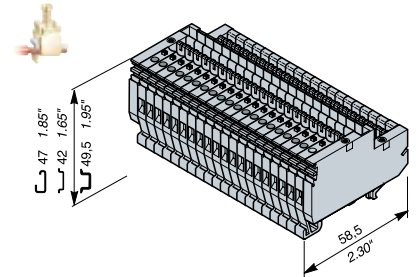


Shield continuity is possible using CBM5 or CBM6 jumper bars (see accessories).

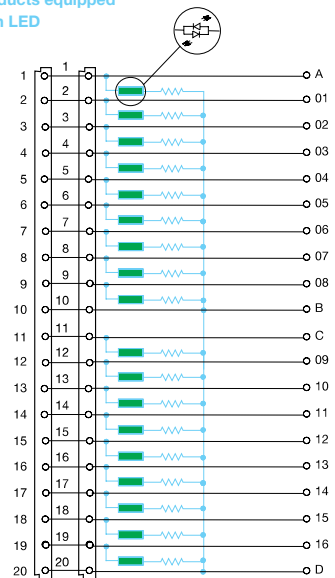


Single-wire interface with terminal blocks MA2,5/5-2CPE

Spacing 112 mm 4.41"



Blue schematic:
products equipped
with LED



Part numbers

16 channels without LED	
16 channels with LEDs	

Type	Part number
BOM-16	0621 017.12
BOM-16-L	0621 019.24

Type	Part number
BOM-16	0631 005.21
BOM-16-L	0631 007.23

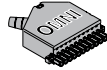
Characteristics

	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	Type	P/N
1	BJM5	See section on accessories	BJM5	See section on accessories
2	BJMI5	See section on accessories	BJMI5	See section on accessories
3	PC5	See section on accessories	PC5	See section on accessories
4	EL6	0173 627.21	EL6	0173 627.21
5				
6	FC2	Ø 2 mm 0007 865.26	FC2	Ø 2 mm 0007 865.26
7	DCB	0105 028.21	DCB	blue 0105 028.21
8	COC1	blue 0299 777.16	COC1	0299 777.16
9	CBM5	0178 745.14		
10	CBM8	0178 746.15		
11	CPFT2	20 poles See section on accessories	CPFT2	20 poles See section on accessories
R	RC510	20 poles See section on accessories	RC510	

interfast MS

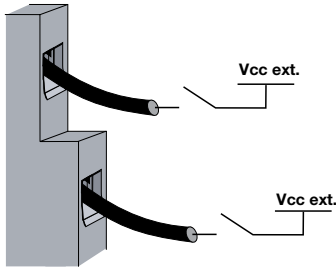


PLC connection interface
2x16 channels
with screw-clamp connection
Omniconnect product range

DIN 3

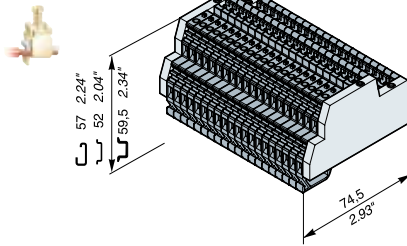
Applications

Single-wire
Interface

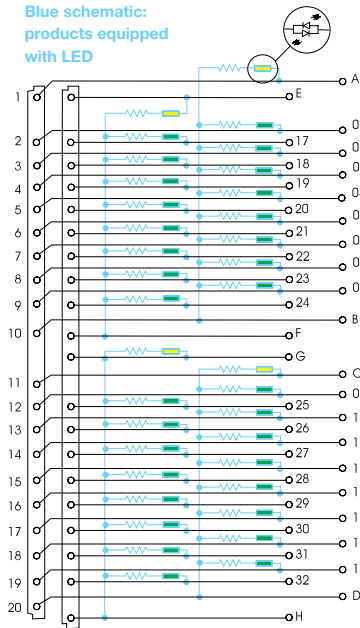


Single-wire compact interface with terminal blocks MA2,5/5D2-2CPE

Spacing 112 mm 4.41"



Blue schematic:
products equipped
with LED



Part numbers

2x16 channels without compact LED



Type

B2OM-32

Part number

0631 001.25

2x16 channels with compact LEDs



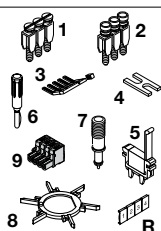
B2OM-32-L

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



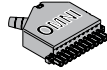
- 1 Jumper bar
- 2 Jumper bar
- 3 Comb jumper
- 4 Connector plate
- 5 Fuse plug
- 6 Test plug
- 7 Test device
- 8 Coding
- 9 Omniconnect plug
- R See section on marking methods

Type

P/N

BJM5	See section on accessories	
BJMI5	See section on accessories	
PC5	See section on accessories	
EL6		0173 627.21
FC2	Ø 2 mm	0007 865.26
DCB		0105 028.21
COC1	blue	0299 777.16
CPFT2		
RC510	20 poles See section on accessories	

interfast MS

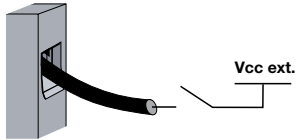


PLC connection interface
16 channels
with screw-clamp connection
Omnicontact product range

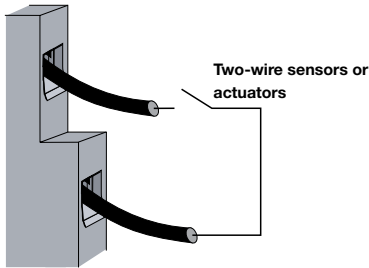
DIN 3

Applications

Single-wire
Interface

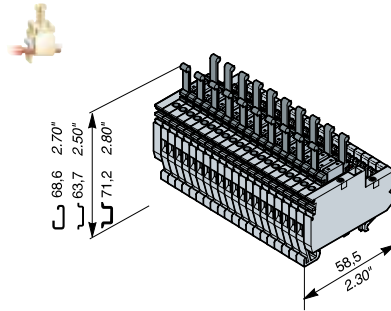


Two-wire
Interface

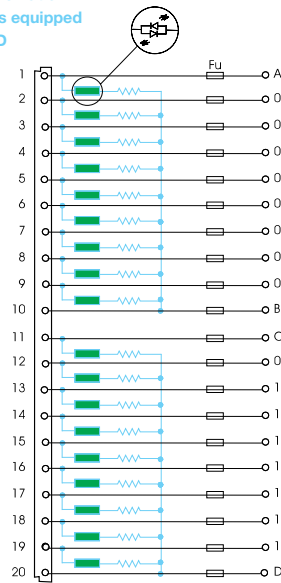


Single-wire interface with fuse on each I/O with terminal blocks MA2,5/5-SFA-CPE

Spacing 112 mm 4.41"



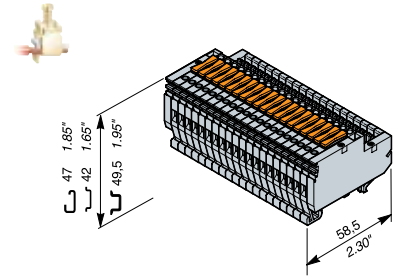
Blue schematic:
products equipped
with LED



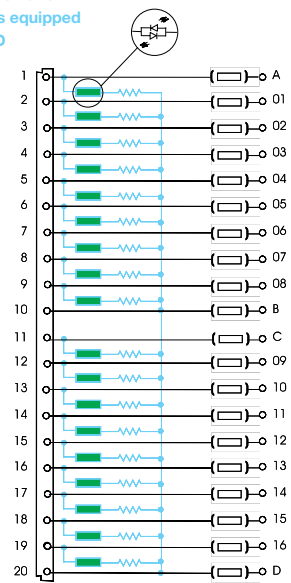
Fuse type: 297 Series Littlefuse

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

16 channels without LED	2
16 channels with LEDs	3

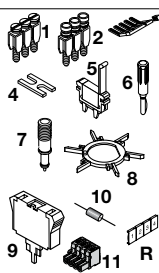
Type	Page number
BOM-16-F	0631 013.10
BOM-16-LF	0631 015.12

Type	Page number
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	Omnicontact plug 20 poles		Omnicontact plug 20 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

Accessories



- 1 Jumper bar
- 2 Jumper bar
- 3 Comb jumper
- 4 Connector plate
- 5 Fuse plug
- 6 Test plug
- 7 Test device
- 8 Coding
- 9 Plug with solder tags
- 10 Soldered fuses
- 11 Omnicontact plug
- R See section on marking methods

Type	P/N	Type	P/N
PC5	See section on accessories	PC5	See section on accessories
BF5 AUTO	See section on accessories	FC2	Ø 2 mm 0007 865.26
FC2	Ø 2 mm	DCB	blue 0105 028.21
DCB	blue	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

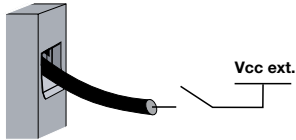


PLC connection interface
16 channels
with screw-clamp connection
Omniconnect product range

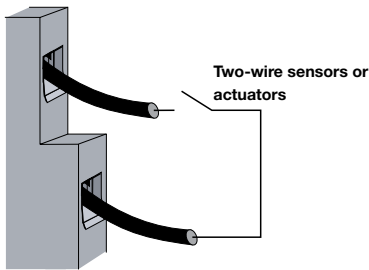


Applications

Single-wire
Interface

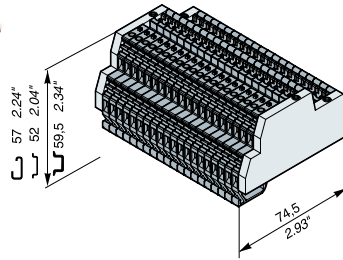


Two-wire
Interface

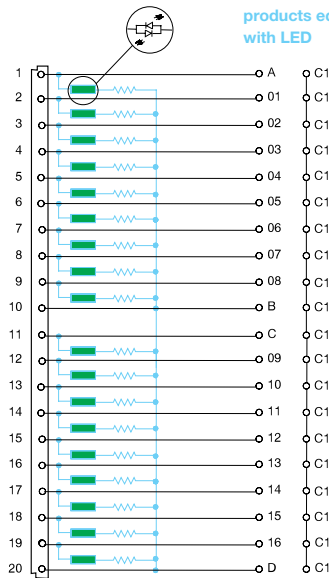


Two-wire interface with terminal blocks MA2,5/5D2-2CPE

Spacing 112 mm 4.41"



Blue schematic:
products equipped
with LED



Page numbers

16 channels without LED	2
16 channels with LEDs	3

Type

BOM-16-B	2
BOM-16-BL	3

Page number

0631 025.14
0631 027.16

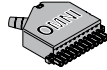
Characteristics

	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	BJM15	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	Ø 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	

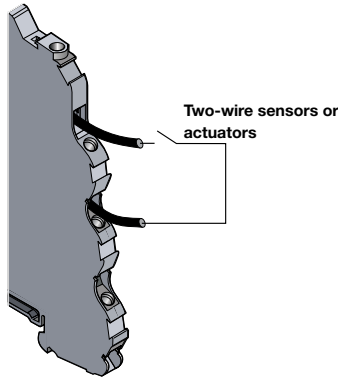
interfast MS



PLC connection interface
16 channels
with screw-clamp connection
Omnicontact product range

DIN 3
Applications

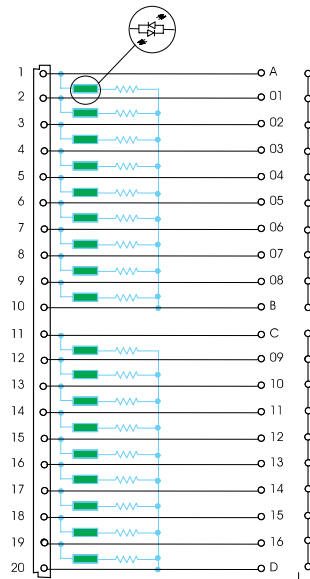
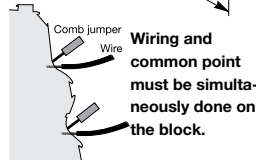
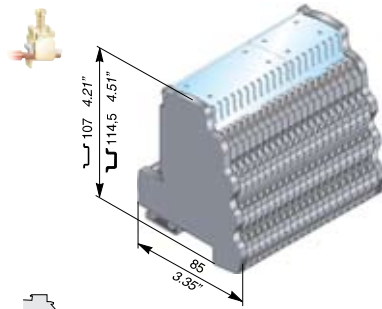
Two-wire
Interface



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"

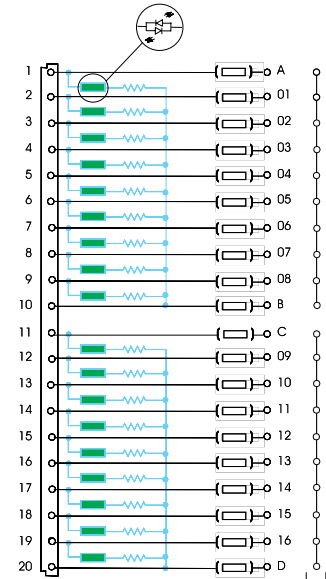
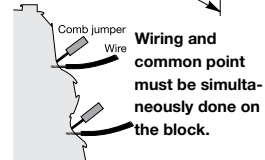
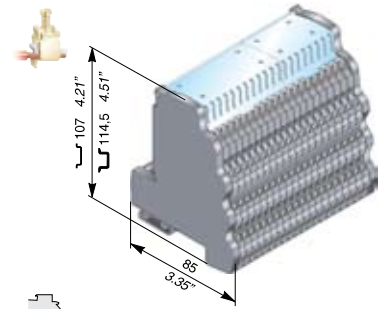


Commons connected using grey comb type jumper bar delivered mounted.

Blue schematic: products equipped with LED

Interruptible two-wire interface with terminal blocks D2,5/5-SNB-D2-CPE

Spacing 112 mm 4.41"



Commons connected using grey comb type jumper bar delivered mounted.

Blue schematic: products equipped with LED

Part numbers

16 channels without LED	
16 channels with LEDs	

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

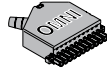
Characteristics

	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	Omnicontact plug 20 poles		Omnicontact 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 of poles. Please see accessories section.	10 poles 0205 524.23
	2 Comb jumper Blue	PCMS		10 poles 0205 525.24
	3 Comb jumper Grey	PCMS		10 poles 0205 523.22
	4 Comb jumper Green/Yellow	PCMS		10 poles 0205 526.25
5	MS plug			
6	Test plug			
7	Fuse plug			
8	Omnicontact plug	CPFT2	20 poles See section on accessories	
R	See section on marking methods	RC55		

interfast MS

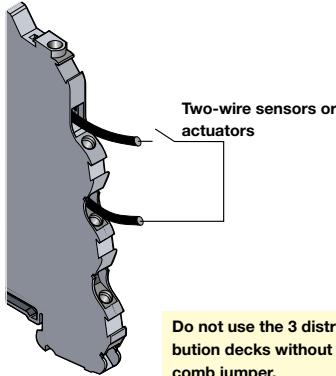


PLC connection interface
16 channels
with screw-clamp connection
Omnicontact product range

DIN 3

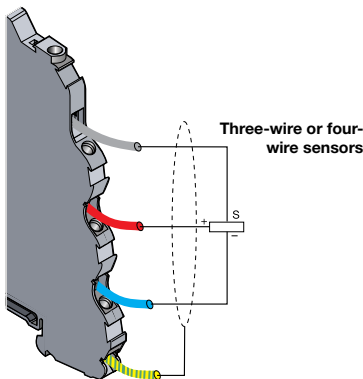
Applications

Two-wire Interface



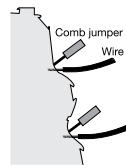
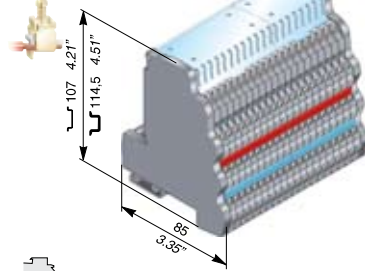
Do not use the 3 distribution decks without the comb jumper.

Three-wire / four-wire Interface



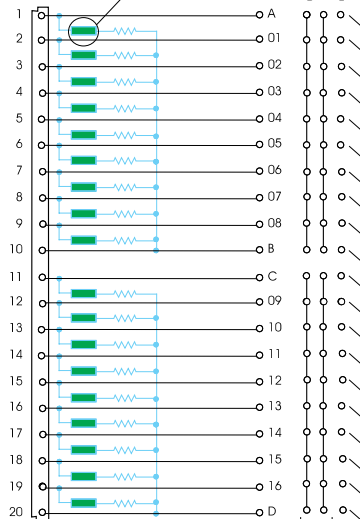
Three-wire or four-wire interface with terminal blocks D2,5/5-T3PI-CPE

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.

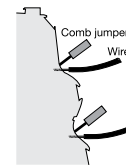
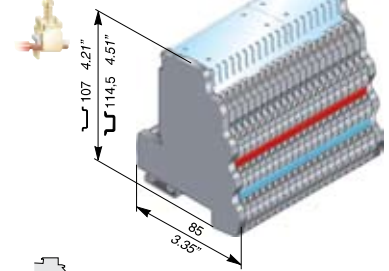


Blue schematic: products equipped with LED

+ and - commons connected using red and blue comb type jumper bar delivered mounted.

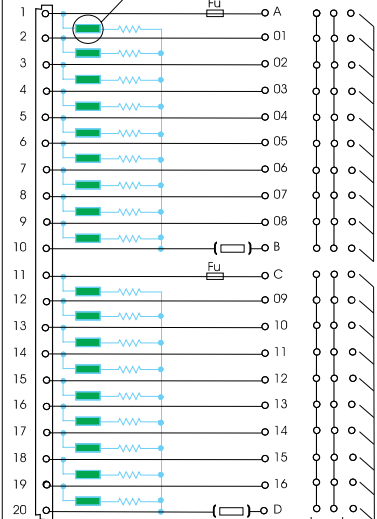
Three-wire or four-wire interface with fuse and isolating switch with terminal blocks D2,5/5-T3PI-CPE

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.

Fuse type: 297 Series Littlefuse

Part numbers

16 channels without LED	
16 channels with LEDs	

Type

BOM 16/LL/T-PI		0631 055.22
BOM 16/LL/TL-PI		0631 053.20

Part number

Type

BOM 16/FS/T-PI		0631 063.22
BOM 16/FS/TL-PI		0631 061.20

Part number

Characteristics

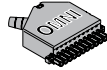
	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 V DC	32 V AC/DC	30 V DC
Maximum current per point	2 A	5 mA	2 A	5 mA
Maximum current in common wires	5 A		5 A	
Current per LED		5 mA		5 mA
Fuse on the power supply			5 A	
Fuse per point				
Test voltage				
Operating temperature	-20°C to +75°C	-20°C to +60°C	-20°C to +50°C	-20°C to +50°C
Storage temperature		-40°C to +80°C	-40°C to +80°C	-40°C to +80°C
Type of connector	Omnicontact plug 20 poles		Omnicontact plug 20 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

Accessories

1, 2, 3, 4	Type	P/N
1	Comb jumper Red	PCMS Other numbers of poles. Please see accessories section.
2	Comb jumper Blue	10 poles 0205 524.23
3	Comb jumper Grey	10 poles 0205 525.24
4	Comb jumper Green/Yellow	10 poles 0205 523.22
5	MS plug	10 poles 0205 526.25
6	Test plug	
7	Fuse plug	
8	Omnicontact plug	CPFT2 20 poles See section on accessories
R	See section on marking methods	RC55

Type	P/N
PCMS	Other numbers of poles. Please see accessories section.
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

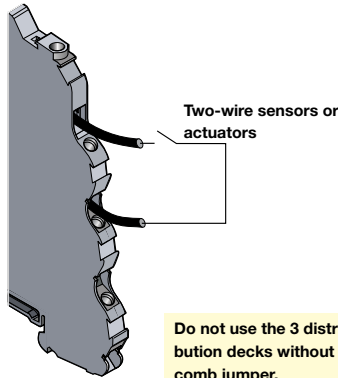


PLC connection interface
16 channels
with screw-clamp connection
Omniconnect product range

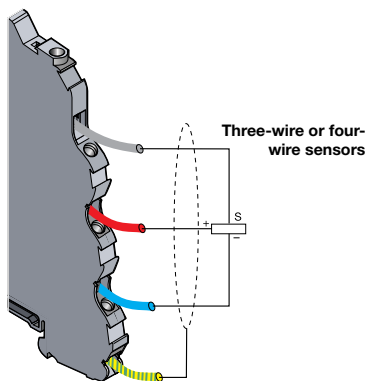


Applications

Two-wire Interface

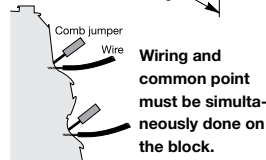
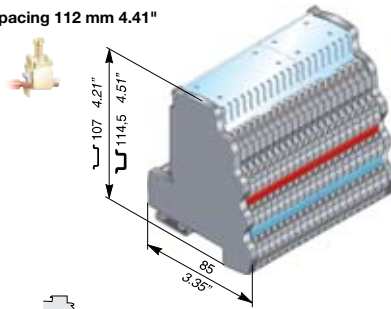


Three-wire / four-wire Interface

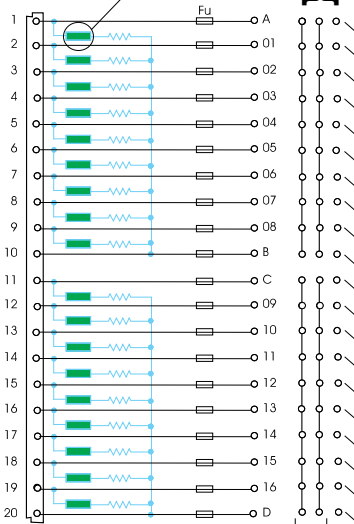


Three-wire or four-wire interface with fuse on each I/O with terminal blocks D2,5/5-SFA-T3PI-CPE

Spacing 112 mm 4.41"



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
16 channels with LEDs	3	16

Type

BOM 16/FF/TF-PI	2	16
BOM 16/FF/TFL-PI	3	16

Part number

0631 099.27
0631 097.15

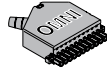
Characteristics

	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

	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 MS plug		
6 Test plug		
7 Fuse plug		
8 Omnicontact plug		
R		

interfast MS

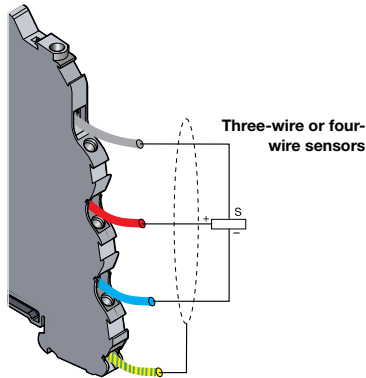


PLC connection interface
16 channels
with screw-clamp connection
Omniconnect product range

DIN 3

Applications

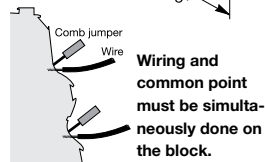
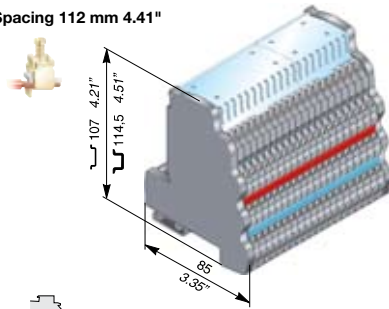
Three-wire / four-wire Interface



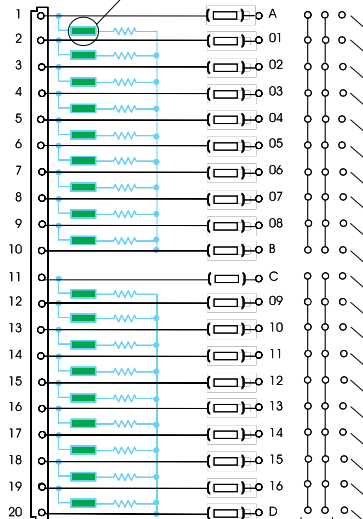
Do not use the 3 distribution decks without the comb jumper.

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.



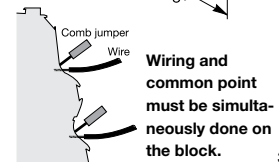
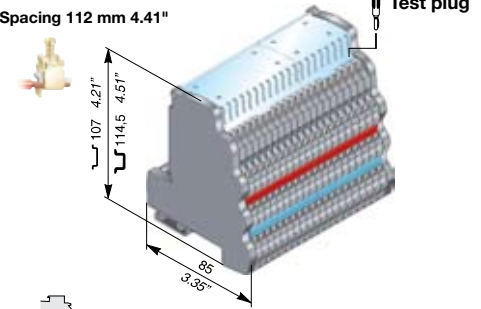
Blue schematic: products equipped with LED

+ and - commons connected using red and blue comb type jumper bar delivered mounted.

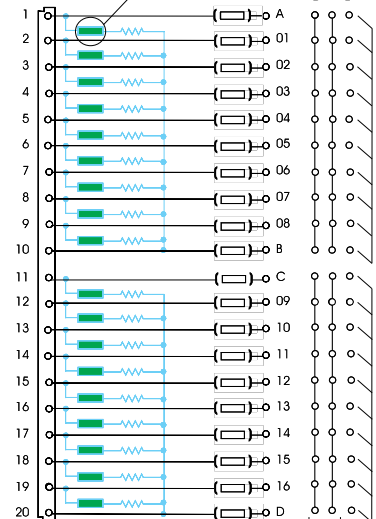
Green/yellow comb type jumper bars for grounded common (to be ordered separately).

Interruptible three-wire or four-wire interface with test points with terminal blocks D2,5/5-SNB-T3PI-CPE

Spacing 112 mm 4.41"



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).

Part numbers

16 channels without LED	
16 channels with LEDs	

Type	Part number
BOM 16/SS/TS-PI	0631 083.17
BOM 16/SS/TSL-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	

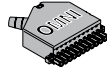
Accessories

	Type	P/N	Type	P/N
1	Comb jumper	Red	PCMS	Other numbers of poles. Please see accessories section.
2	Comb jumper	Blue	PCMS	10 poles
3	Comb jumper	Grey	PCMS	10 poles
4	Comb jumper	Green/Yellow	PCMS	10 poles
5	MS plug		PCMS	10 poles
6	Test plug		PCMS	10 poles
7	Fuse plug		PCMS	10 poles
8	Omniconnect plug		PCMS	10 poles
R	See section on marking methods		FC2	Ø 2 mm
			CPFT2	20 poles See section on accessories
			RC55	

interfast MS

PLC decoupling interface
8 relay outputs
Omniconnect product range

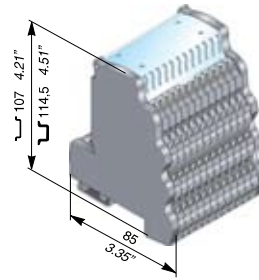
DIN 3



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 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
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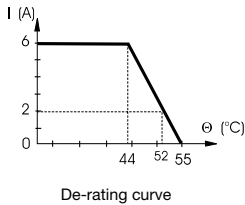
BRI 821 N	24 V DC	0631 143.27
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Output optos with 24 VDC input voltage can be mixed and matched.

Spare relay plugs:

Type	P/N
R24V-1	6 A/250 V (Ivory) 0031 820.14

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

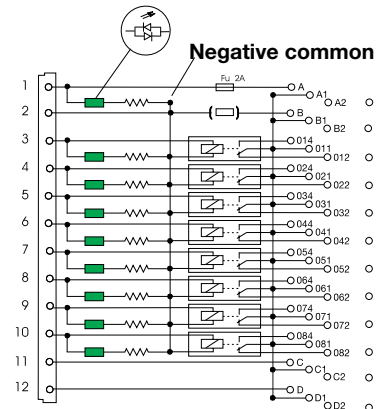


Characteristics

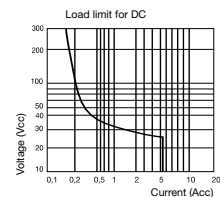
COIL		
Rated voltage	+ 20%, - 15%	24 V DC
Rated current threshold		17 mA
Trip voltage		1,2 V
CONTACT		
Type		1 RT
Voltage mini. / max.		12 V / 250 V AC
Switching current mini. / max.		10 mA / 6 A
Breaking capacity	AC1 mini. / max.	0,6 VA / 1500 VA (resistance)
	DC1 mini. / max.	0,6 W / 140 W
Maximum 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	- 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

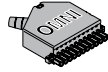
Type	P/N
1 Comb-type jumper bar	PCMS See section on accessories.
2 Fuse-holder plug	BFMS AUTO See section on accessories.
R See section on marking methods.	RC55

Fuse type: 297 Series Littlefuse

interfast MS

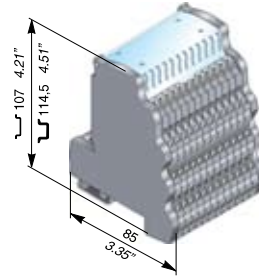
PLC decoupling interface
8 relay outputs
Omniconnect product range

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 independent outputs possible.

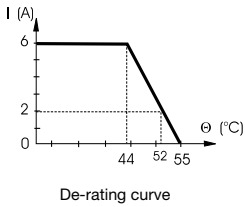
Pluggable relay.

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 821 N/P	24 V DC	0631 182.17	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	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.

Approval

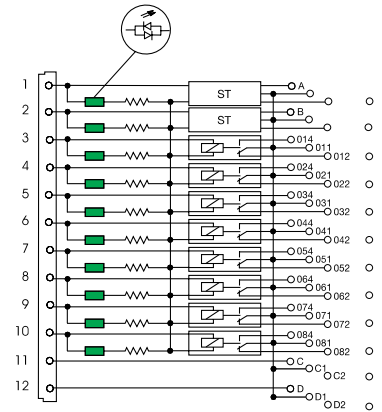


Characteristics

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	- 40°C to + 80°C
	Operating	- 20°C to + 55°C
Wire capacity		0 - 2,5 mm²

Wiring diagram

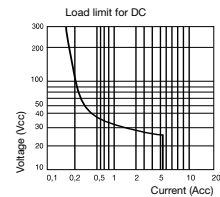
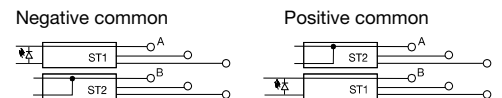
Terminal negative or positive common connection.



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

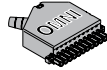
Accessories

	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
Omniconnect product range

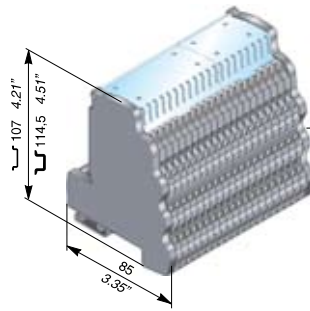
DIN 3



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).

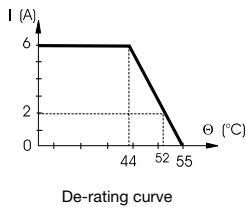
Type	P/N	plug only
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BRI 1621 N 24 V DC **0631 125.15**

Spare relay plugs:
Type **R24V-1** 6 A/250 V (Ivory) P/N **0031 820.14**

See end of accessories section for characteristics.

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.

Approval

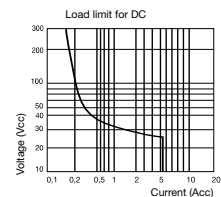


Characteristics

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	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	- 40°C to + 80°C
Operating	- 20°C to + 55°C

Wire capacity

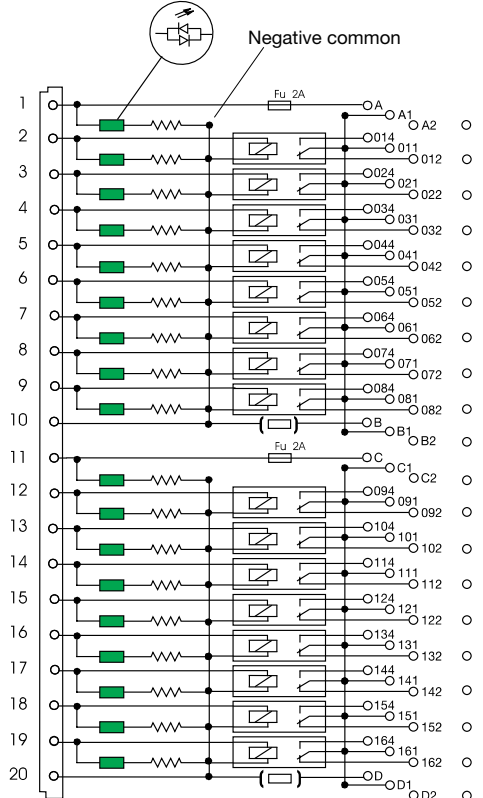
0 - 2,5 mm²



	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.

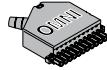
Accessories

	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

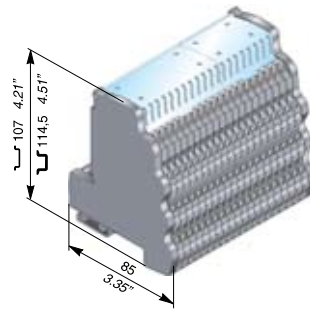
PLC decoupling interface
16 relay outputs
Omniconnect product range

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

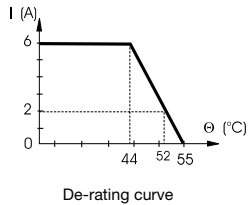
The units are delivered equipped with relays.
The relays are also available separately (see ordering part numbers, right column).

Type	P/N	plug only	P/N
BRI 1621 N/P	24 V DC	0631 181.16	
		Spare relay plugs:	
		Type R24V-1	6 A/250 V (Ivory) 0031 820.14

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.



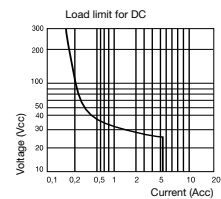
De-rating curve

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 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	- 40°C to + 80°C
	Operating	- 20°C to + 55°C
Wire capacity		0 - 2,5 mm²



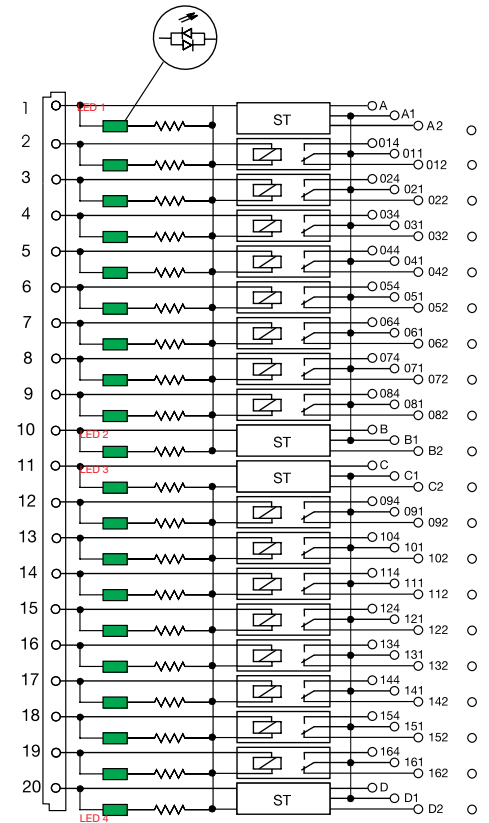
	DC12	AC12	DC13	AC15
24 V	6 A	6 A	1 A	3 A
110/120 V	0,3 A	6 A	0,2 A	3 A
220/230 V	0,2 A	6 A	0,1 A	3 A

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	

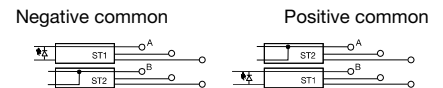
Wiring diagram

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 +.



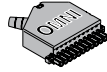
LED 1 and 3 switched on

LED 2 and 4 switched on

interfast MS

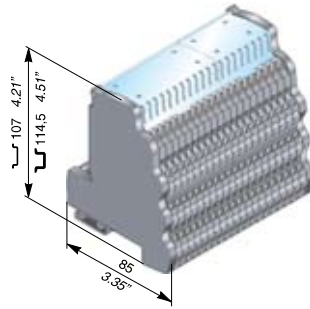
PLC decoupling interface
16 relay outputs
Omniconnect product range

DIN 3



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.

Pluggable relay.

Part numbers

The units are delivered equipped with relays.
The relays are also available separately (see ordering part numbers, right column).

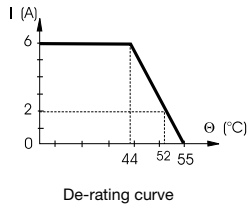
Type	P/N	plug only
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BRI 1621 N-ECO 24 V DC **0631 124.14**

Spare relay plugs:
Type **R24V-1** 6 A/250 V (Ivory) P/N **0031 820.14**

Output optos with 24 VDC input voltage can be mixed and matched.

See end of accessories section for characteristics.



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

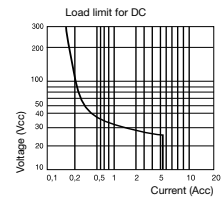
See end of accessories section for characteristics.

Approval



Characteristics

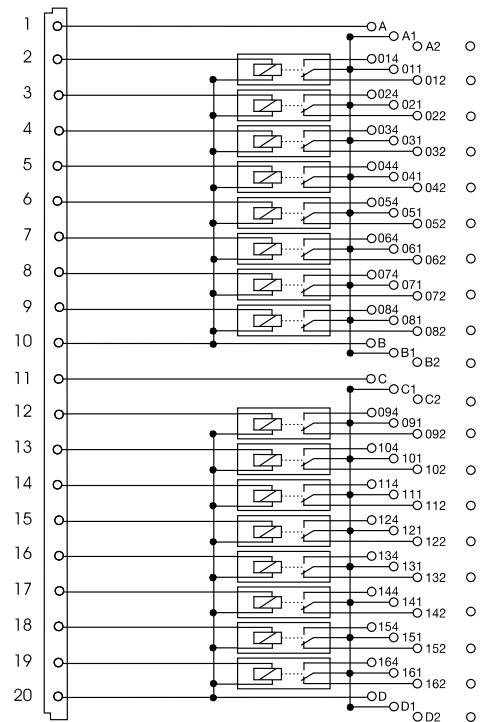
COIL		
Rated voltage	+ 20%, - 15%	24 V DC
Rated current threshold		17 mA
Trip voltage		1,2 V
CONTACT		
Type		1 RT
Voltage mini. / max.		12 V / 250 V AC
Switching current mini. / max.		10 mA / 6 A
Breaking capacity	AC1 mini. / max.	0,6 VA / 1500 VA (resistance)
	DC1 mini. / max.	0,6 W / 140 W
Maximum load		
Number of operations	on load	1 x 10⁵ in AC15
Number of operations	off load	10 x 10⁶
Operating speed	C	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	- 40°C to + 80°C
	Operating	- 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.



Terminal compatible with automate output cards with positive common connection.

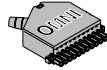
Accessories

	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

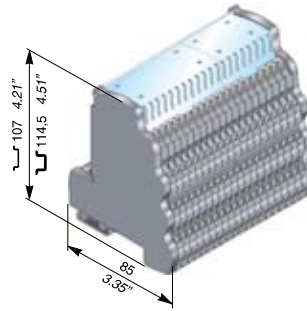
PLC decoupling interface
16 optocoupler inputs
Omniconnect product range

 **DIN 3**



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.

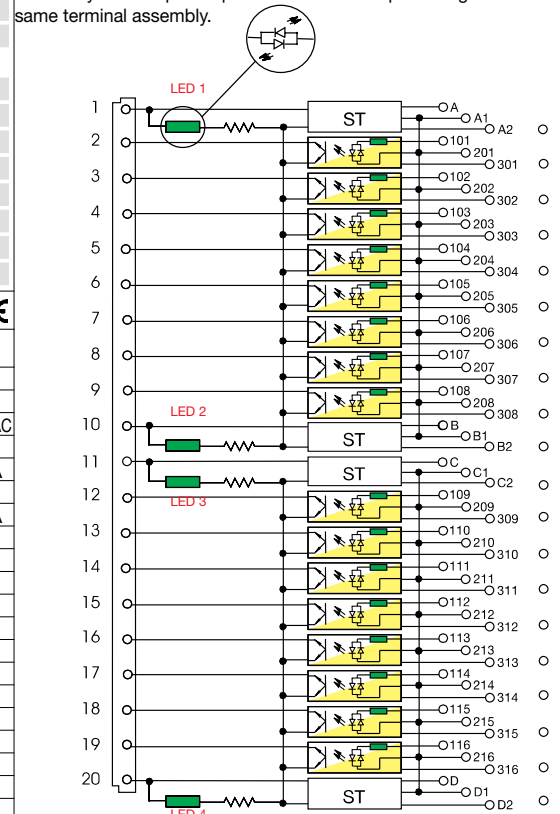
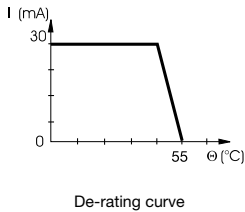
Part numbers

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

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.



Approval



Characteristics

INPUT	5 V DC				24 V DC		48 V DC		125 V DC							
													24 V AC	48 V AC	115 V AC	230 V AC
Input voltage	+15%, -20% DC												13 V	22 V	50 V	95 V
	+ 10%, -15% AC															
Typical triggering at Is = 100 %	3,5 V	12 V	21 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											

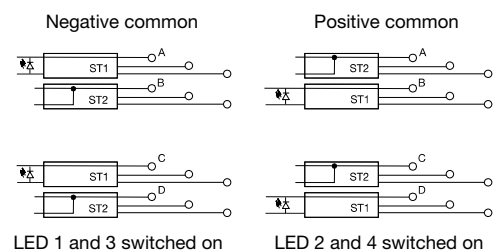
Wire capacity

0 - 2,5 mm²

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	

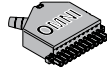
Strap plugs allowing either a common - or a common + on optocouplers output.



interfast MS

PLC decoupling interface
16 optocoupler outputs
Omniconnect product range

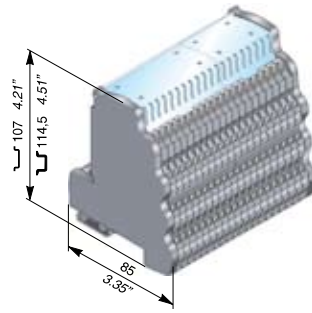
DIN 3



Spacing 112 mm



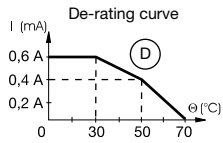
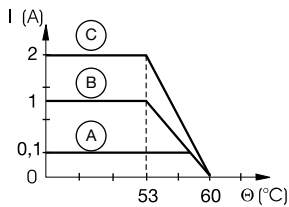
16 N/P optocouplers optocouplers output terminal



Terminal block assembly equipped with 2 removable 10 pole comb type jumper bars: removal makes independant inputs possible.

Pluggable optocoupler.
Permits electrical isolation between an AC or DC input and a 24 V DC output.

Part numbers

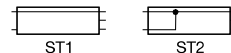
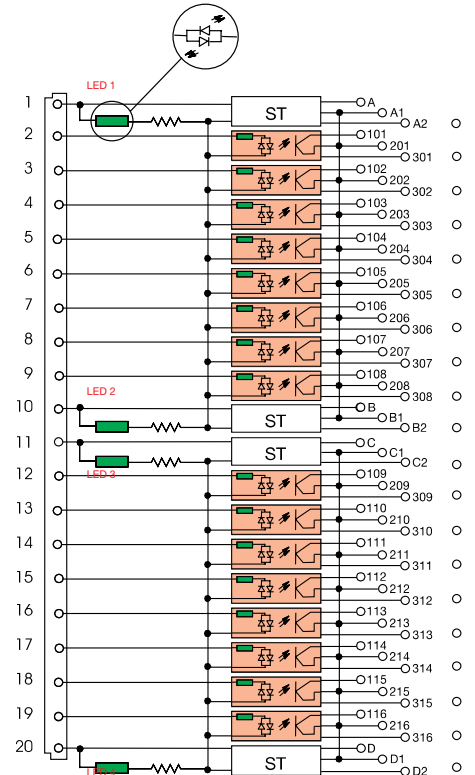


Material in order to perform an optocoupler output terminal.

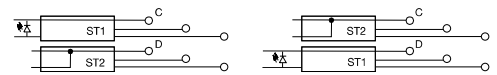
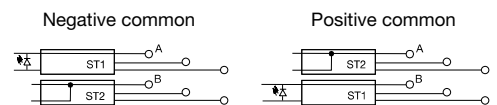
Terminal:	Nb	Type	P/N
Terminal:	1	BUNI 20-L	0631 179.03
Strap plug:	2	BNMS ST1	0031 829.11
	2	BNMS ST2	0031 830.16
Optocouplers plugs:	16		
A 48 V DC / 100 mA PNP		BNMS P24V-3	0031 810.12
		NPN	BNMS N24V-3
B 48 V DC / 1 A PNP		BNMS P24V-2	0031 819.17
		NPN	BNMS N24V-2
C 24 V DC / 2 A PNP		BNMS P24V-1	0031 815.03
		NPN	BNMS N24V-1
D 250 V AC/700 mA TRIAC		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

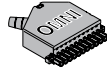
Characteristics

	(A)	(B)	(C)	(D)	
INPUT					
Input voltage	+20%, -15%	24 V DC	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	10 V DC
Input current	4,8 mA	6,7 mA	6,7 mA	3,8 mA	3,8 mA
Switching time	C/O	20 µs / 1,3 ms	50 µs / 350 µs	50 µs / 350 µs	9,5 ms / 12 ms
Leakage current	1 mA	1 mA	1 mA	1 mA	1 mA
OUTPUT					
Maximum output voltage	58 V DC	58 V DC	30 V DC	24 to 253 V AC	24 to 253 V AC
Maximum output current	100 mA	1 A	2 A	0,6 A	0,6 A
Residual voltage max. I and rated U					
standard U	1 V	1 V	1 V	1 V	1 V
max.	1,3 V	1,3 V	1,3 V	1,3 V	1,3 V
Input / Output isolation	2,5 kV	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	- 30°C to + 80°C
Operating	- 20°C to + 60°C	- 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	0 - 2,5 mm ²

Accessories

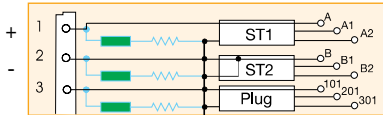
	Type	P/N
1 Comb-type jumper bar	PCMS	See section on accessories.
2 Fuse-holder plug	BFMS AUTO	See section on accessories.
R See section on marking methods.	RC55	

interfast MS

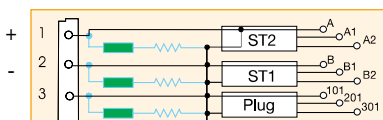


PLC universal interface
8 channels
with screw-clamp connection
Omniconnect product range
DIN 3

To make a negative common connection, use ST1 and ST2 plugs (see accessories).

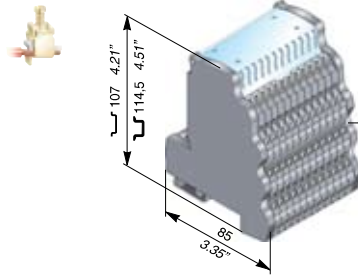


To make a positive common connection, use ST1 and ST2 plugs (see accessories).



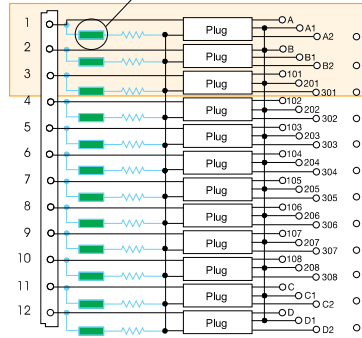
Universal interface with terminal blocks D2,5/5-UNI-CPE

Spacing 71 mm 2.79"



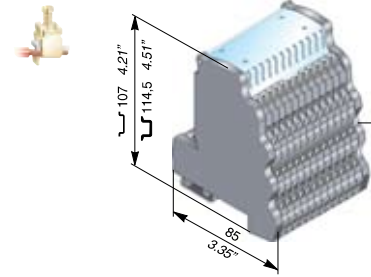
Terminal block assembly equipped with 1 removable 12 pole comb type jumper bar: removal makes independent channels possible.

Blue schematic:
products equipped with LED

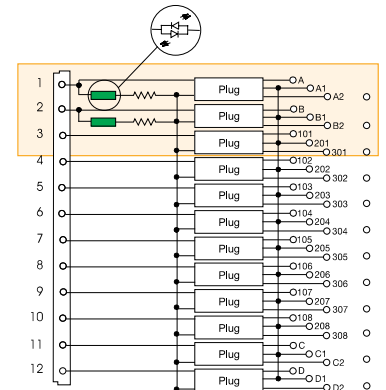


Universal interface with terminal blocks D2,5/5-UNI-CPE

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

8 channels without LED	0
8 channels with LEDs	11

Type	Part number
BUNI 12	0631 158.06
BUNI 12-L	0631 178.02

Block delivered without plug (to be ordered separately).

Type	Part number
BUNI 12-L	0631 177.21

Block delivered without plug (to be ordered separately).

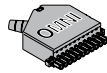
Characteristics

	Without LED	With LEDs	Without LED	With LEDs
Maximum voltage	250 V AC/DC	30 V DC		
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
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
	2 Comb jumper	Blue	PCMS	of poles. Please 12 poles 0205 533.24
	3 Comb jumper	Grey	PCMS	see accessories 12 poles 0205 531.22
	4 Comb jumper	Green/Yellow	PCMS	see accessories 12 poles 0205 534.25
	5 MS plug		BNMS	See section on accessories (Compatible with model 1 and 2)
	6 Test plug		BUNI12	(Compatible with model 1 and 2)
	7 Fuse plug		BUNI12L	(Compatible with model 1)
	8 Omniconnect plug		CPFT2	12 poles See section on accessories
R	R See section on marking methods		RC55	

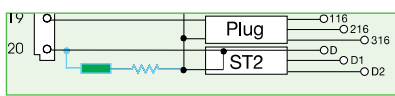
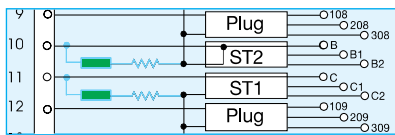
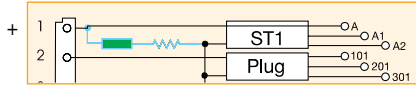
interfast MS



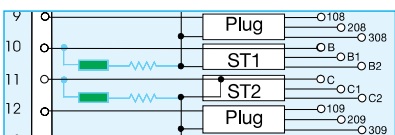
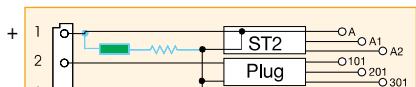
PLC universal interface
16 channels
with screw-clamp connection
Omniconnect product range

DIN 3

To make a negative common connection, use ST1 and ST2 plugs (see accessories).

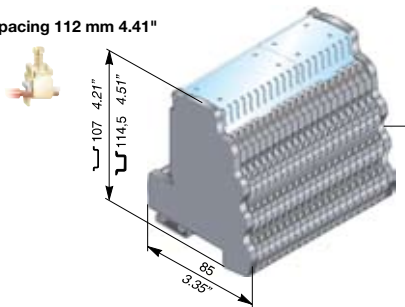


To make a positive common connection, use ST1 and ST2 plugs (see accessories).



Universal interface with terminal blocks D2,5/5-UNI-CPE

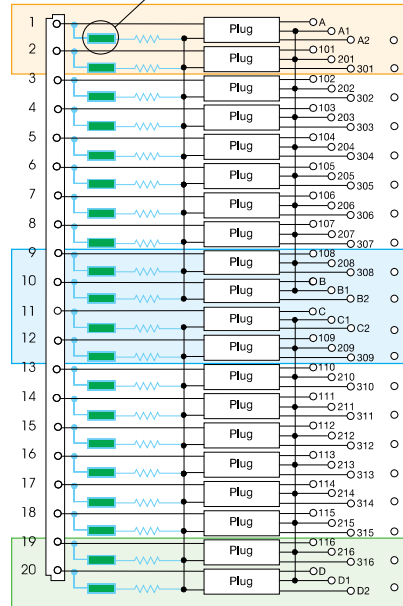
Spacing 112 mm 4.41"



Terminal block assembly equipped with 2 removable 10 pole comb type jumper bars: removal makes independent channels possible.

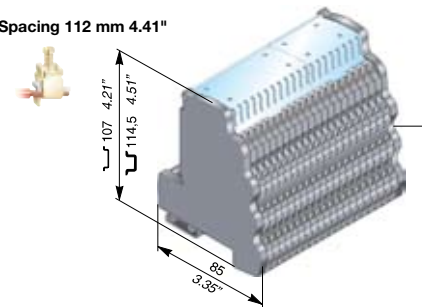
To make a negative or positive common connection, see the far left column.

Blue schematic: products equipped with LED



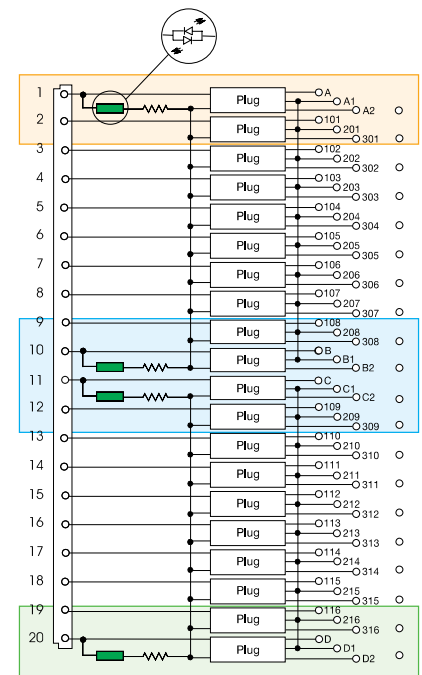
Universal interface with terminal blocks D2,5/5-UNI-CPE

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		
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	

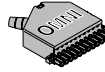
Accessories

1, 2, 3, 4	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 Omnicontact plug	
	R	See section on marking methods

Type	P/N
PCMS	Other numbers 10 poles 0205 524.23
PCMS	of poles. Please 10 poles 0205 525.24
PCMS	see accessories 10 poles 0205 523.22
PCMS	section. 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	Other numbers 10 poles 0205 524.23
PCMS	of poles. Please 10 poles 0205 525.24
PCMS	see accessories 10 poles 0205 523.22
PCMS	section. 10 poles 0205 526.25
BNMS	See section on accessories (Compatible with model 1 and 2)
CPFT2	20 poles See section on accessories
RC55	

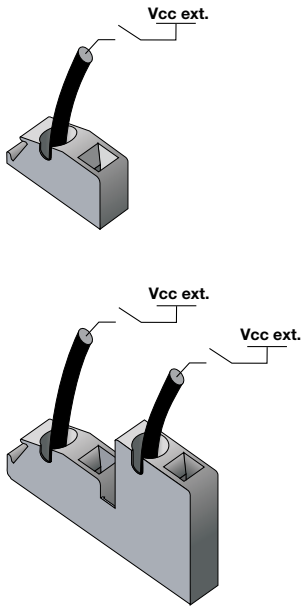
interfast



PLC connector interface
16 channels
with spring loaded terminals
Omniconnect product range

Applications

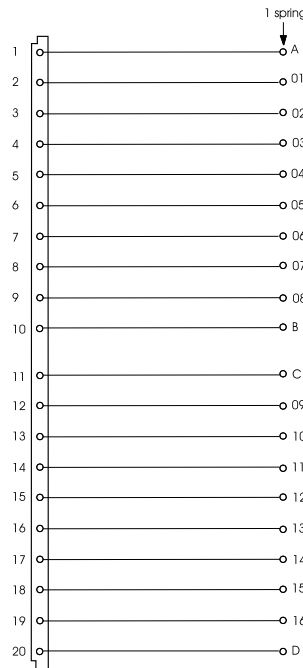
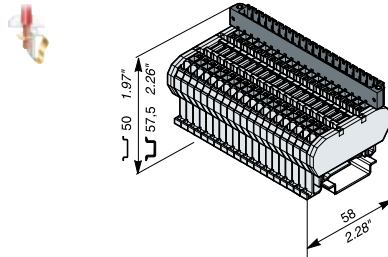
Single-wire
Interface



Single-wire interface with 1 spring

with terminal blocks D 2,5 / 5-2L

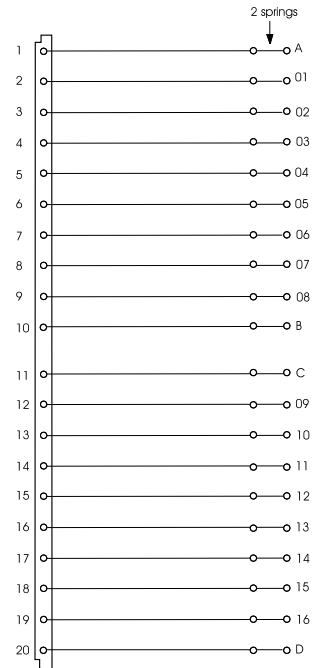
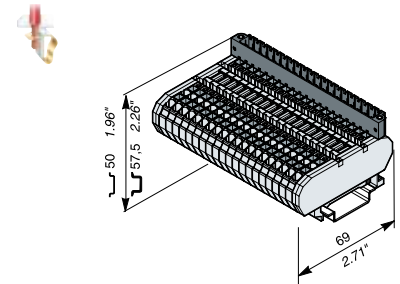
Spacing 112 mm 4.41"



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										

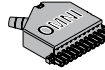
Characteristics

	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	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	FC2	DIA. 2 mm 0007 865.26
2 Jumper bar orange	BJDL5	See section on accessories	BJDL5	See section on accessories
3 Omnicontact plug	CPFT2	20 poles See section on accessories	CPFT2	20 poles See section on accessories
R	R	See section on marking methods	R	See section on marking methods
		On top: RC510		On sides: RC55
				On top: RC510
				On sides: RC55

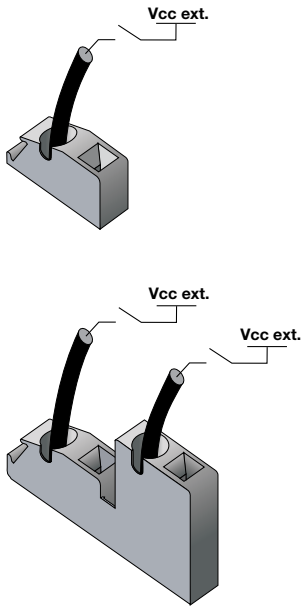
interfast



PLC connector interface
16 channels
with spring loaded terminals
Omniconnect product range

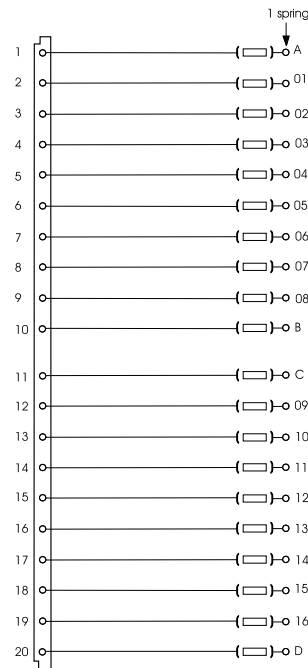
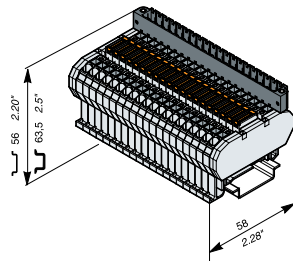
Applications

Single-wire
Interface



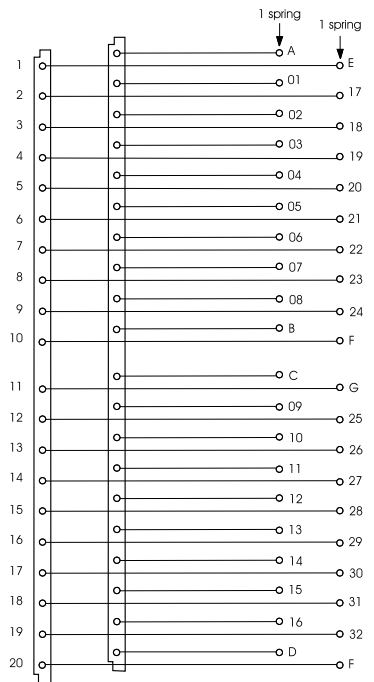
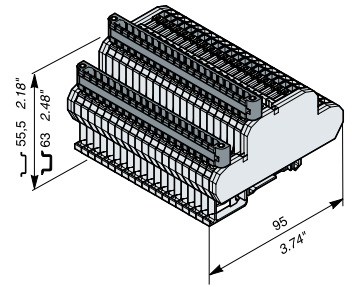
Interruptible interface with 1 spring with terminal blocks D 2,5 / 5 . SNBT . 2L

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"



Part numbers

16 channels without LED	
32 channels without LED	

Type Part number mm L inch

BOM-1R-16-S		0032 004.13	112	4.41
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Type Part number mm L inch

B2OM-1R-32		0032 003.12	112	4.41
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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
3	Omniconnect plug		CPFT2	20 poles See section on accessories
R	See section on marking methods		On top: RC510	On sides: RC55



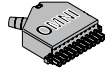
Interface boards

Summary

C1 - Screw connection interfaces 142

C2 - Screw decoupling interfaces 152

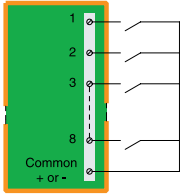
interfast



PLC connector interface
8 channels
with screw-clamp connection
Omniconnect Product range

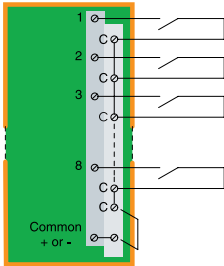
Applications

Single-wire Interface



Single-wire sensors or actuators

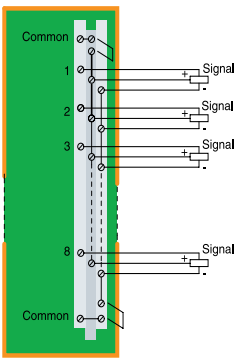
Two-wire Interface



Two-wire sensors or actuators

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Three-wire Interface

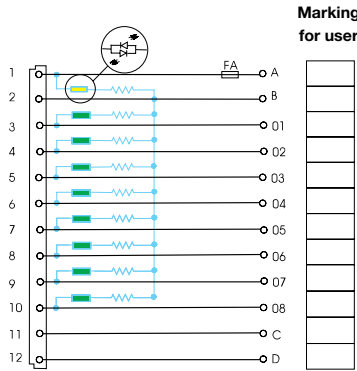
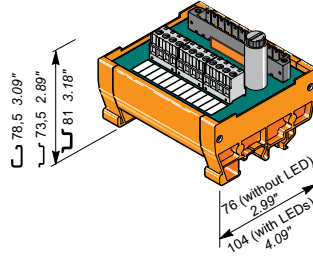


Three-wire sensors

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Single-wire interface

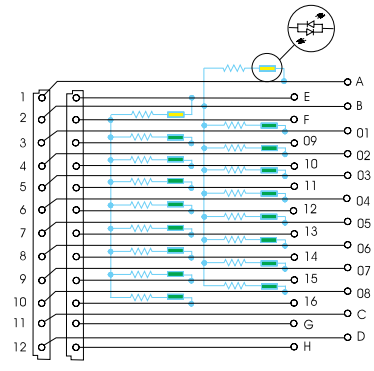
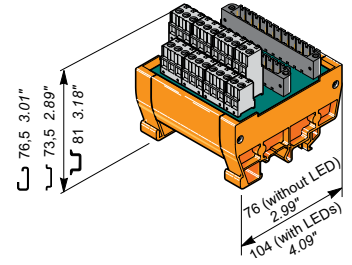
Spacing 78 mm 3.07"



Blue schematic: products equipped with LED

Compact Single-wire interface

Spacing 78 mm 3.07"



Blue schematic: products equipped with LED

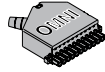
Part numbers

Type	Part number	mm	inch	Type	Part number	mm	inch
8 channels without LED	0	BFOM-8	0021 024.03	78	3.07		
8 channels with LEDs	1	BFOM-8-L	0021 026.05	78	3.07		
16 channels without LED	4	BF2OM-16	0021 020.13	78	3.07		
16 channels with LEDs	5	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	

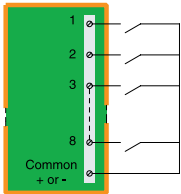
interfast



PLC connector interface
8 channels
with screw-clamp connection
Omniconnect Product range

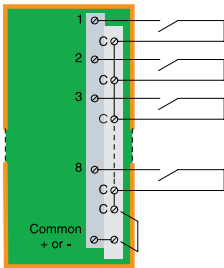
Applications

Single-wire Interface



Single-wire sensors or actuators

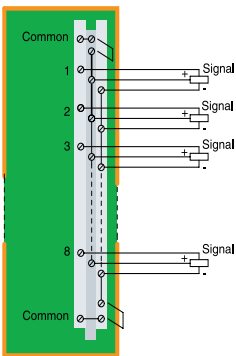
Two-wire Interface



Two-wire sensors or actuators

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Three-wire Interface

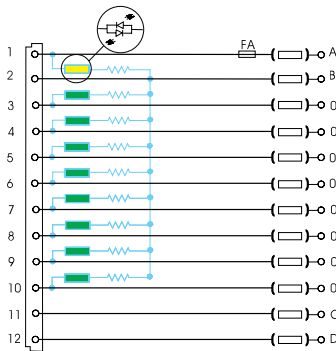
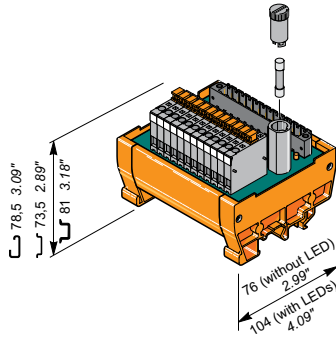


Three-wire sensors

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Interruptible interface

Spacing 78 mm 3.07"

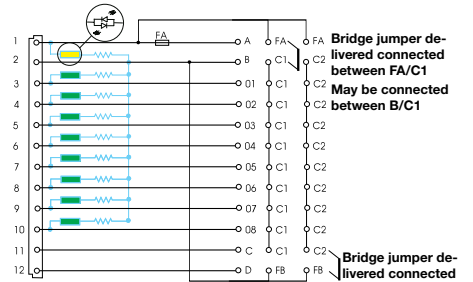
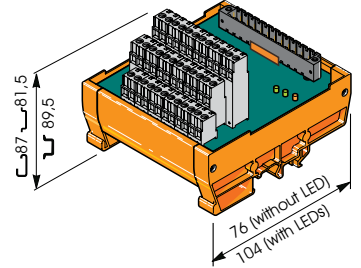


Blue schematic: products equipped with LED

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

Part numbers

8 channels without LED	0
8 channels with LEDs	1
16 channels without LED	4
16 channels with LEDs	5

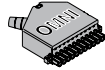
Type	Part number	mm	inch
BFOM-8-S	0021 032.03	78	3.07
BFOM-8-SL	0021 034.05	78	3.07

Type	Part number	mm	inch
BFOM-8-T	0021 048.23	78	3.07
BFOM-8-TL	0021 050.21	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	

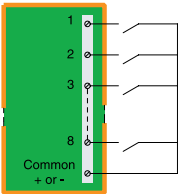
interfast



PLC connector interface
8 channels
with screw-clamp connection
Omniconnect Product range

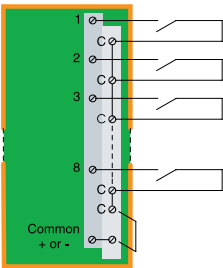
Applications

Single-wire Interface



Single-wire sensors or actuators

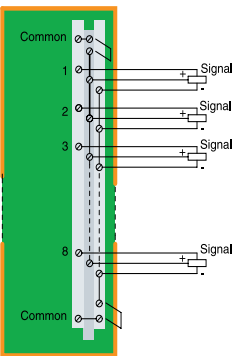
Two-wire Interface



Two-wire sensors or actuators

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Three-wire Interface

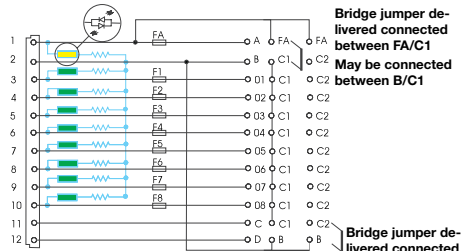
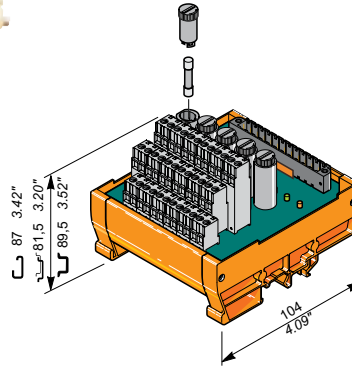


Three-wire sensors

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

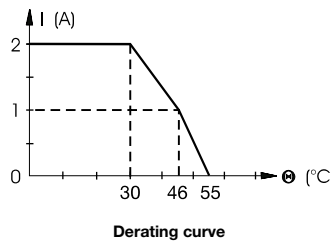
Spacing 78 mm 3.07"



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

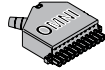
8 channels without LED	0
8 channels with LEDs	1
16 channels without LED	4
16 channels with LEDs	5

Type	Part number	mm	inch
BFOM-8-TF	0021 052.17	78	3.07
BFOM-8-TLF	0021 054.11	78	3.07

Characteristics

	Without LED	With LEDs
Maximum voltage	250 V AC/DC	29 VDC
Maximum current per point	2 A	2 A
Maximum current in common wires	5 A	5 A
Current per LED		5 mA
Fuses on the power supply	5 A	5 A
Fuses per point	2 A	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	

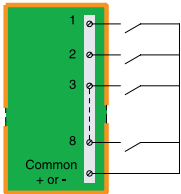
interfast



PLC connector interface
16 channels
with screw-clamp connection
Omniconnect Product range

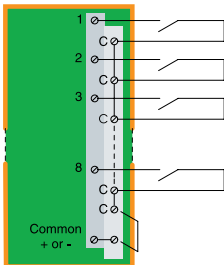
Applications

Single-wire Interface



Single-wire sensors or actuators

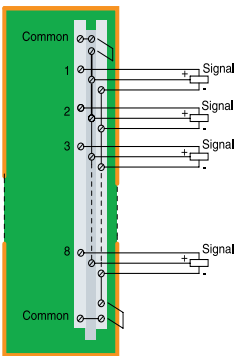
Two-wire Interface



Two-wire sensors or actuators

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Three-wire Interface

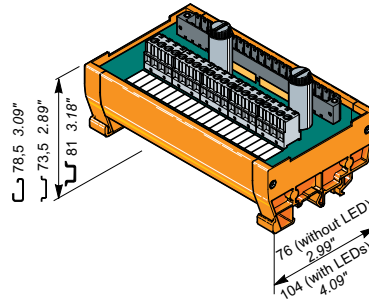


Three-wire sensors

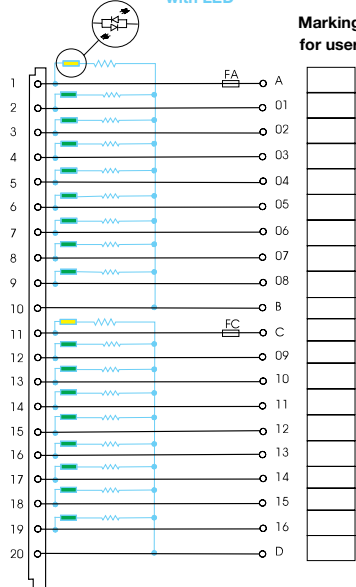
Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Single-wire interface

Spacing 127 mm 5" / 138 mm 5.44"



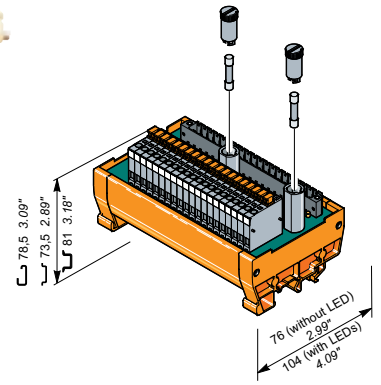
Blue schematic: products equipped with LED



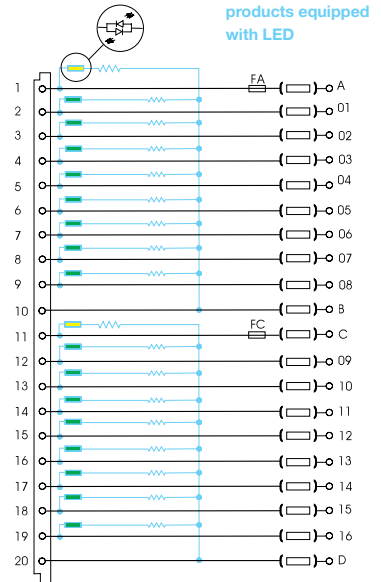
Marking for user

Interruptible interface

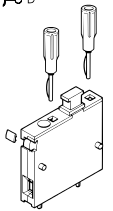
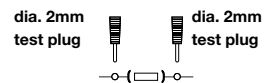
Spacing 118 mm 4.65" / 138 mm 5.44"



Blue schematic: products equipped with LED



2 mm dia. test points on each side of isolator



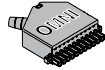
Part numbers

	Type	Part number	mm	inch	Type	Part number	mm	inch
16 channels without LED	2	BFOM-16	127	5	BFOM-16-S	0021 033.04	118	4.65
16 channels with LEDs	3	BFOM-16-L	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	

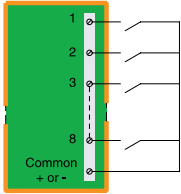
interfast



PLC connector interface
16 channels
with screw-clamp connection
Omniconnect Product range

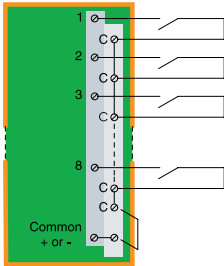
Applications

Single-wire Interface



Single-wire sensors or actuators

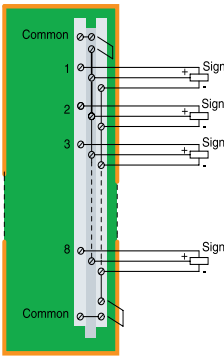
Two-wire Interface



Two-wire sensors or actuators

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Three-wire Interface

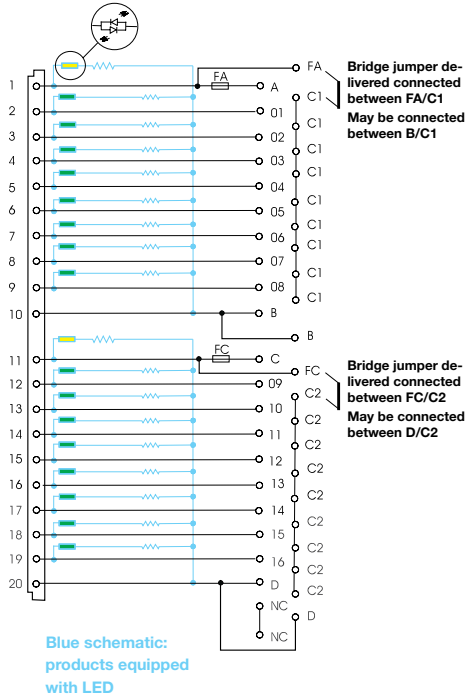
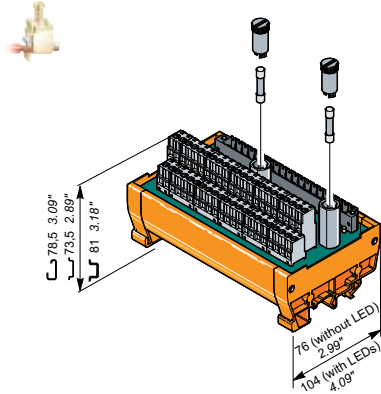


Three-wire sensors

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

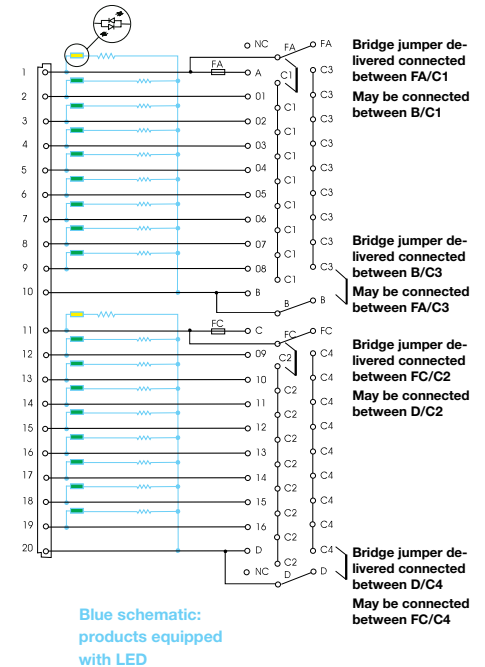
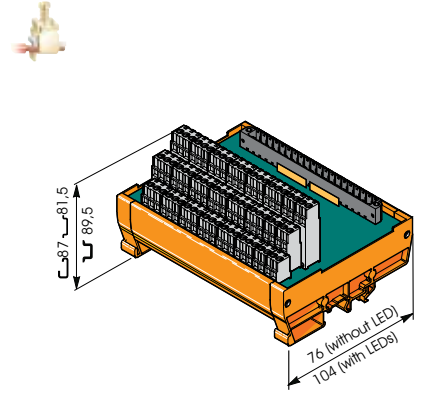
Two-wire interface with choice of + or - common

Spacing 127 mm 5.00" / 138 mm 5.44"



Three-wire interface with + and - common

Spacing 127 mm 5" / 138 mm 5.44"



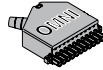
Part numbers

	Type	Part number	mm	inch	Type	Part number	mm	inch
16 channels without LED	2	BFOM-16-B	127	5.00	2	BFOM-16-T	127	5.00
16 channels with LEDs	3	BFOM-16-BL	138	5.44	3	BFOM-16-TL	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	5 A	2 A	5 A
Maximum current in common wires	5 A	5 A	5 A	5 A
Current per LED		5 mA		5 mA
Fuses on the power supply	5 A	5 A	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	

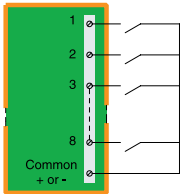
interfast



PLC connector interface
16 channels
with screw-clamp connection
Omniconnect Product range

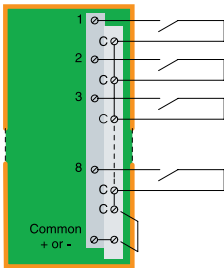
Applications

Single-wire Interface



Single-wire sensors or actuators

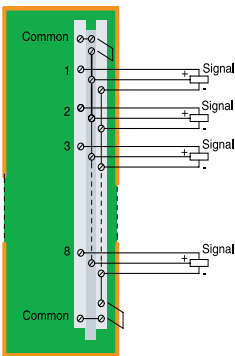
Two-wire Interface



Two-wire sensors or actuators

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Three-wire Interface

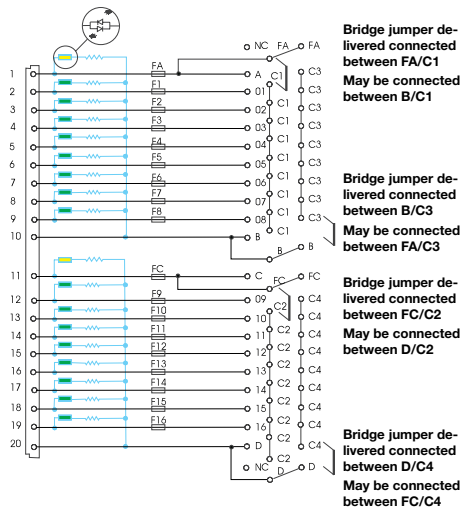
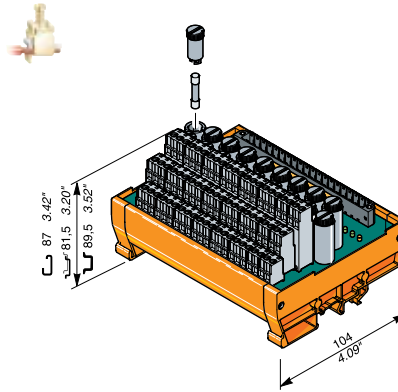


Three-wire sensors

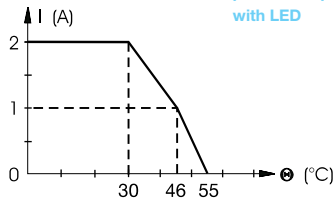
Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

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	inch
16 channels without LED	2	BFOM-16-TF	138	5.44
16 channels with LEDs	3	BFOM-16-TLF	138	5.44
16 channels without LED	4			
16 channels with LEDs	5			

Characteristics

	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	Omnicontact plug 20 poles	
Wire capacity	0-2,5 mm ²	

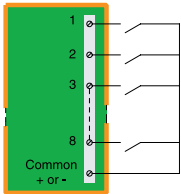
interfast



PLC connector interface
2x16 channels
with screw-clamp connection
Omniconnect Product range

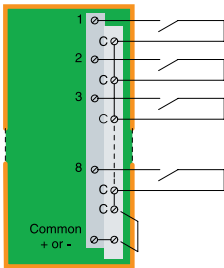
Applications

Single-wire Interface



Single-wire sensors or actuators

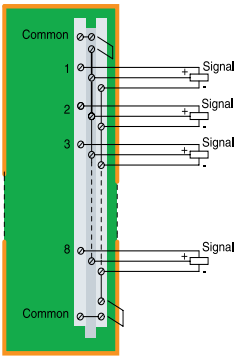
Two-wire Interface



Two-wire sensors or actuators

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Three-wire Interface

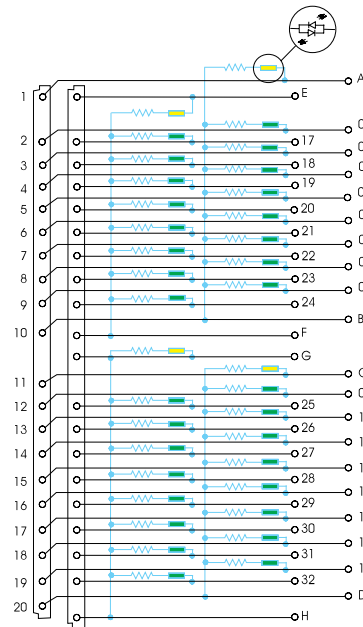
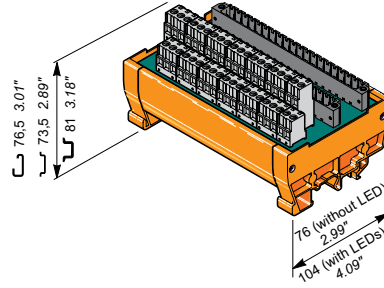


Three-wire sensors

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Compact Single-wire interface

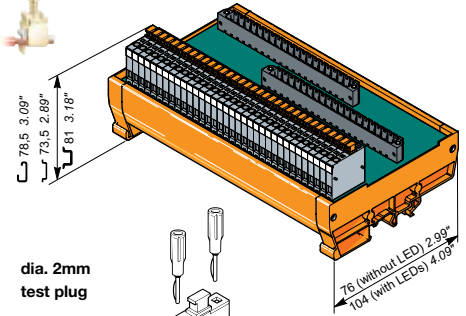
Spacing 118 mm 4.65"



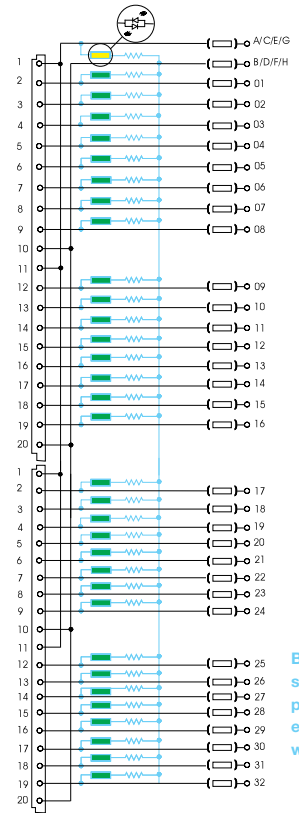
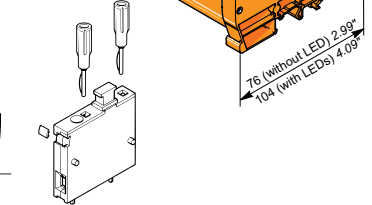
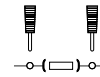
Blue schematic: products equipped with LED

Compact interruptible interface

Spacing 180 mm 7.09"



dia. 2mm test plug



Blue schematic: products equipped with LED

2 mm dia. test points on each side of isolator

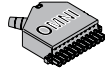
Part numbers

	Type	Part number	mm	inch	Type	Part number	mm	inch
2x16 channels without LED	BF2OM-32	0021 021.00	118	4.65	BF2OM-32-S	0021 097.05	180	7.09
2x16 channels with LEDs	BF2OM-32-L	0021 023.02	118	4.65	BF2OM-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	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 Omniconnect plugs 20 poles		2 Omniconnect plugs 20 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

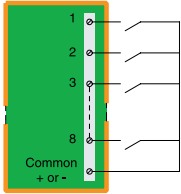
interfast



PLC connector interface
2x16 channels
with screw-clamp connection
Omnicontact Product range

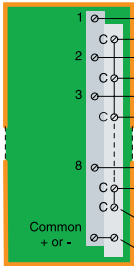
Applications

Single-wire Interface



Single-wire sensors or actuators

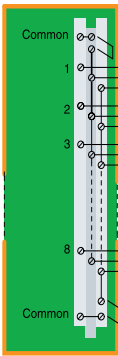
Two-wire Interface



Two-wire sensors or actuators

Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Three-wire Interface

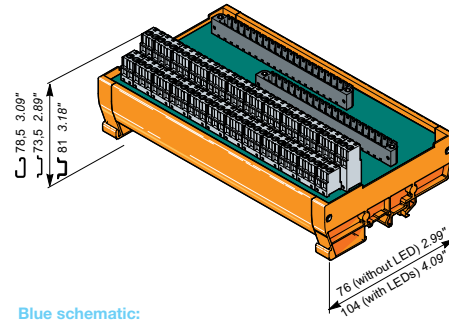


Three-wire sensors

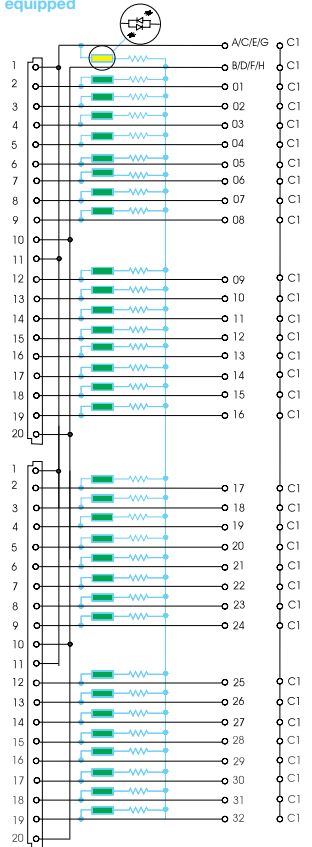
Jumper allowing either + or - distribution (Jumper position : see wiring diagram of each module)

Compact Two-wire interface

Spacing 180 mm 7.09"

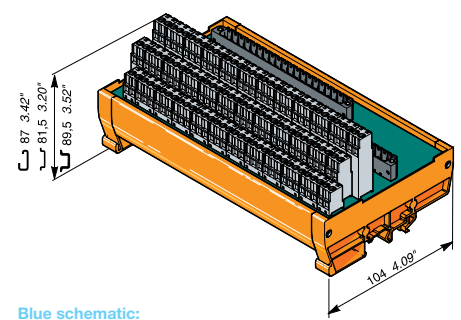


Blue schematic: products equipped with LED

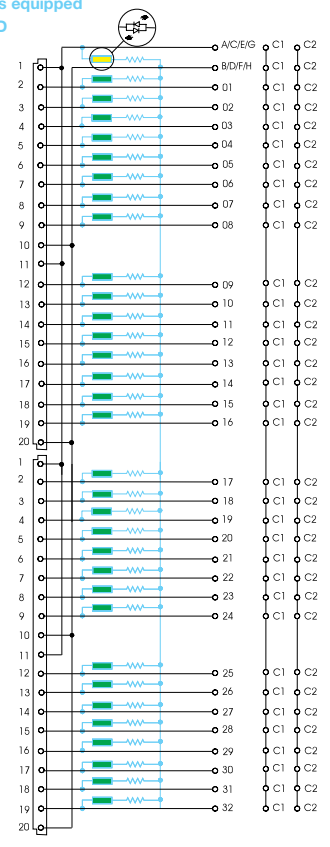


Compact Three-wire interface

Spacing 180 mm 7.09"



Blue schematic: products equipped with LED



Part numbers

2x16 channels without LED	
2x16 channels with LEDs	

Type	Part number	mm	inch
BF20M-32-B	0021 098.16	180	7.09
BF20M-32-BL	0021 093.01	180	7.09

Type	Part number	mm	inch
BF20M-32-T	0021 096.04	180	7.09
BF20M-32-TL	0021 094.02	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 Omnicontact plugs 20 poles		2 Omnicontact plugs 20 poles	
Wire capacity	0-2,5 mm ²		0-2,5 mm ²	

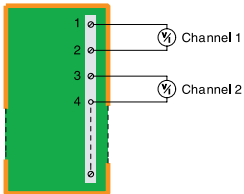
interfast



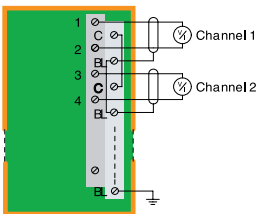
PLC connector interface with screw-clamp connection
Male Sub D product range

Applications

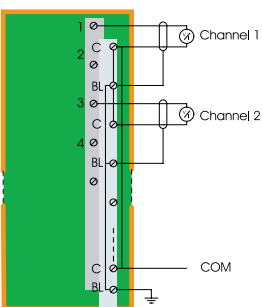
I/O ANA insulated without shielding connection



I/O ANA insulated with shielding connection

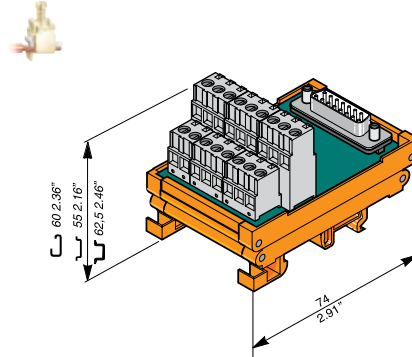


I/O ANA with positive side distribution and shielding connection

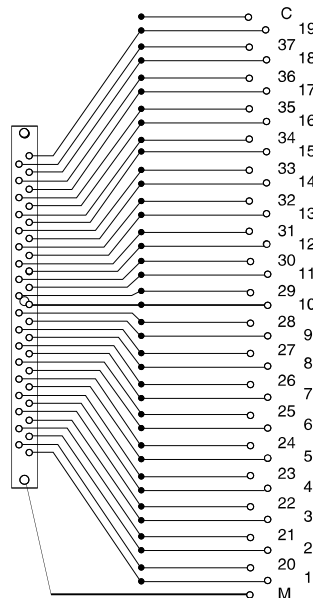


Single-wire interface

Drawing: male Sub D 15 interface

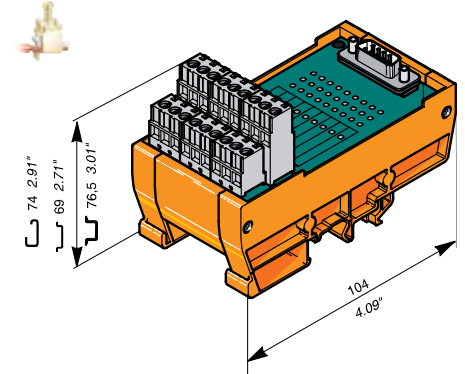


Schematic: male Sub D 37 interface

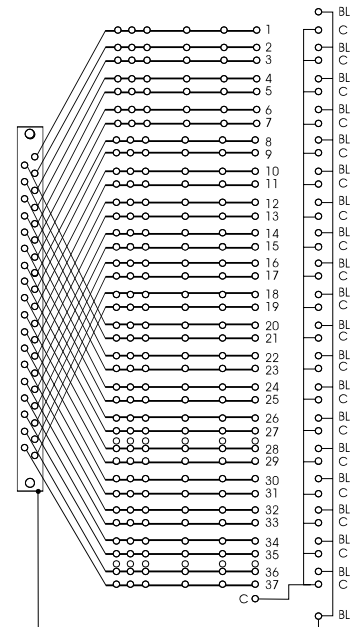


Two-wire interface with a common and common shield

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 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

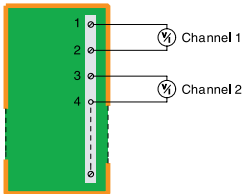
interfast



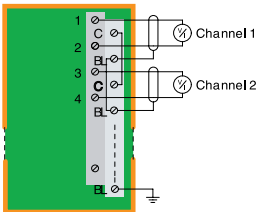
**PLC connector interface
with screw-clamp connection
Male Sub D product range**

Applications

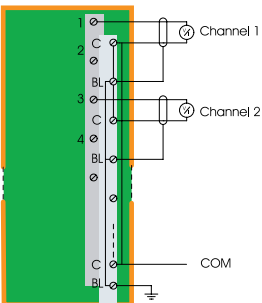
I/O ANA insulated without shielding connection



I/O ANA insulated with shielding connection

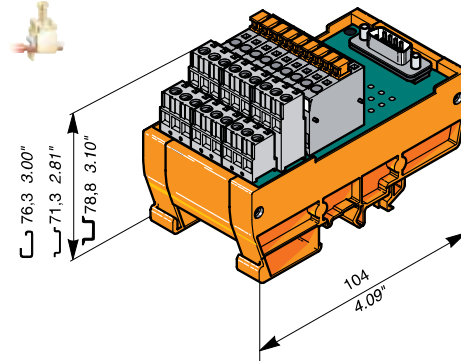


I/O ANA with positive side distribution and shielding connection

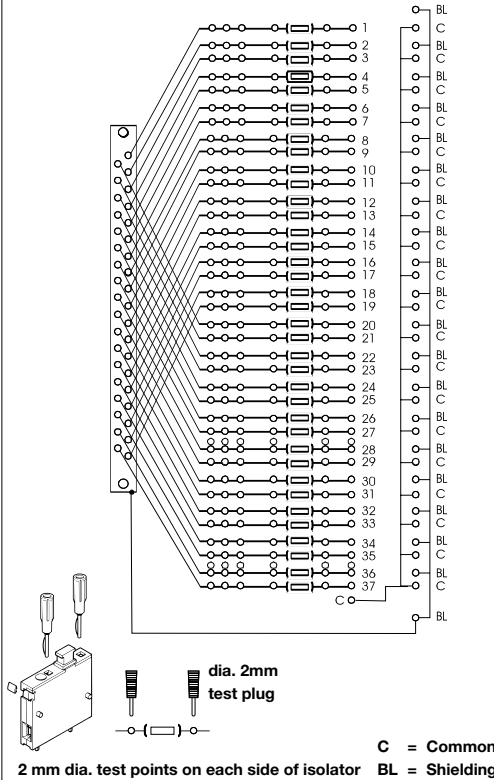


Interruptible interface with a common and common shield

Drawing: male Sub D 9 interface



Schematic: male Sub D 37 interface



Part numbers

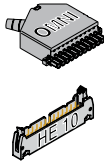
	Type	Part number	mm	inch
9 points	BFSUBD 9 M -ANA-S	0021 060.23	55	2.17
15 points	BFSUBD 15 M -ANA-S	0021 061.10	90	3.55
25 points	BFSUBD 25 M -ANA-S	0021 062.11	138	5.44
37 points	BFSUBD 37 M -ANA-S	0021 063.12	197	7.76

Characteristics

	Without LED
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

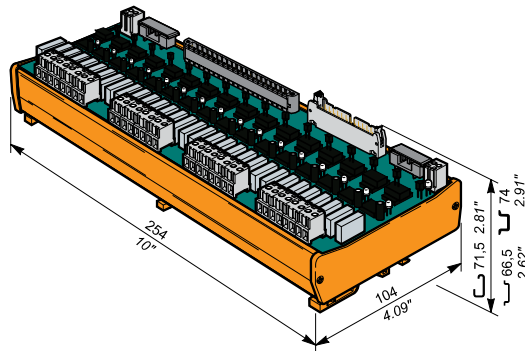
interfast

Decoupling interface for PLC 16 optocoupler interface Omnicomnect and HE 10/26 point product range



**16 P optocouplers
optocoupler input interface
protected against leakage current insulated input**

Width : 254 mm 10"

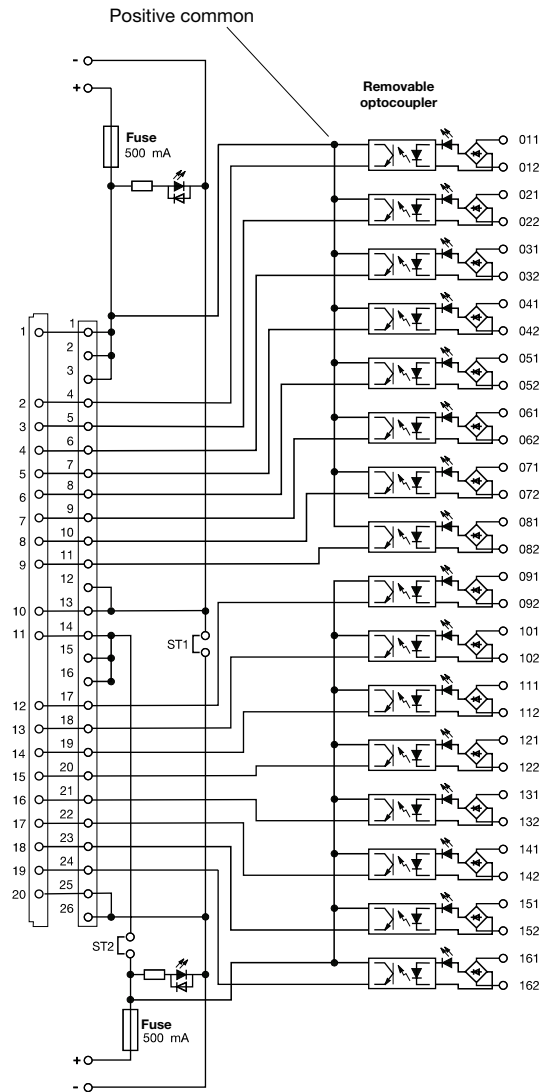


Delivered with 5 x 20 mm fuses - High interrupting capacity - Rating 500 mA - 250 V.

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



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

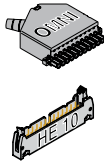
Characteristics

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	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				

Interface with positive common connection on optocouplers output.
Interface compatible with automate input cards with negative common connection.

interfast

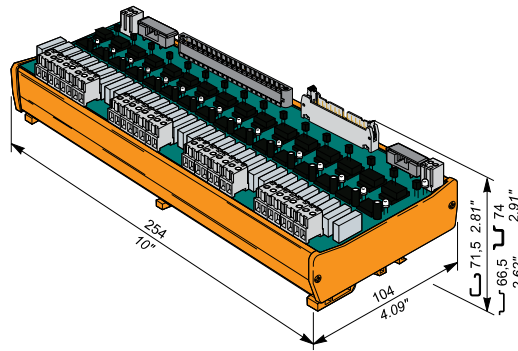
Decoupling interface for PLC 16 optocoupler interface Omniconnect and HE 10/26 point product range



Width 254 mm 10"



**16 P optocouplers
optocoupler input interface
protected against current leakage**

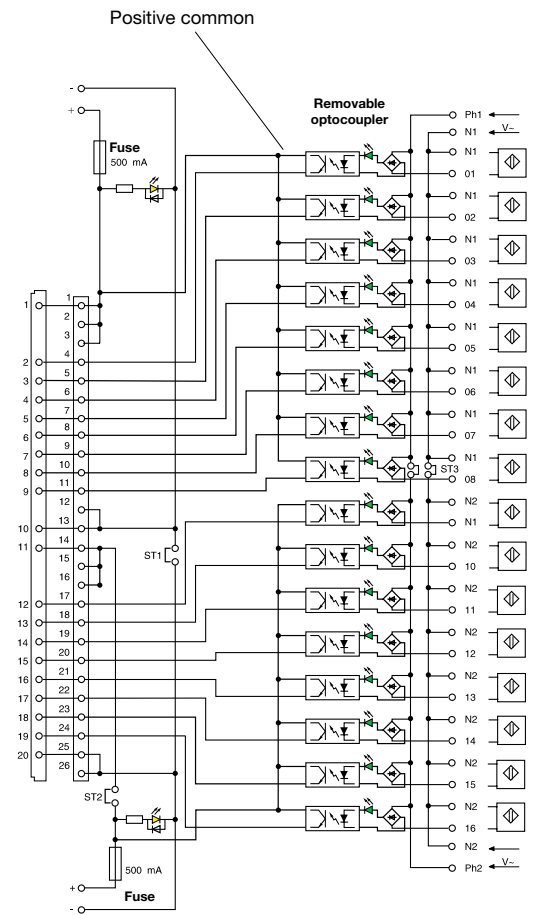


Delivered with 5 x 20 mm fuses - High interrupting capacity - Rating 500 mA - 250 V.

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	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

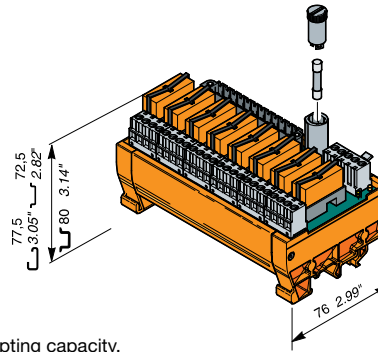


PLC decoupling interface
8-relay interface
Omniconnect product range

Width : 127 mm 5.00"

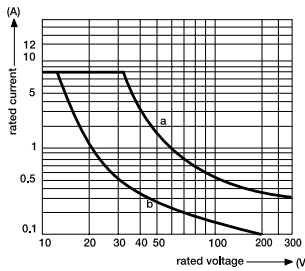


8 N/P relays 1 RT relay output interface



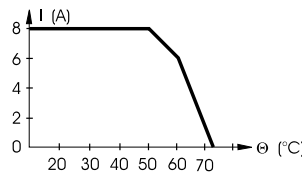
Pluggable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

a : resistance
 b : inductive load, L/R = 20 ms



De-rating curve

Part numbers

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
	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 + 74°C
Wire capacity		8 ms

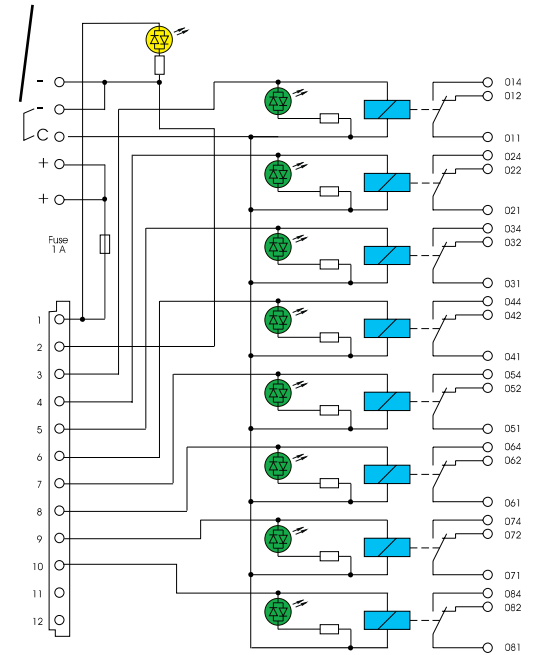
Accessories

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

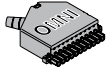
Interface with negative or positive common connection.

Jumper allowing either a common + or a common -
 Delivered connected with a common -



Interface compatible with automate output cards with negative or positive common connection.

interfast

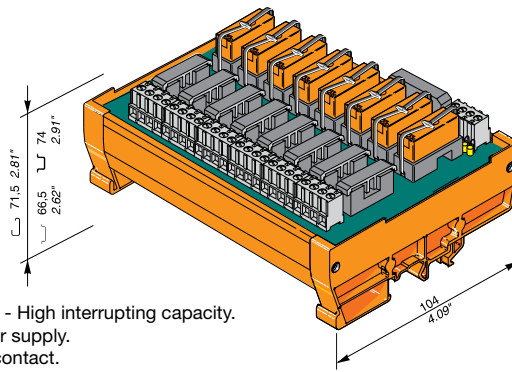


PLC decoupling interface
8-relay interface
Omniconnect product range

Width: 127 mm 5.00"

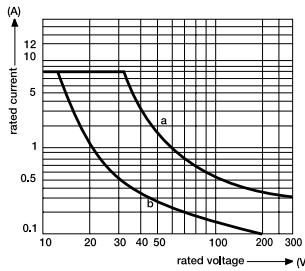


8 N relays 1 RT relay output interface with fuse on common contact



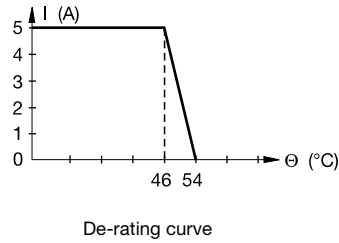
Pluggable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 1 A - 250 V fuse on PLC power supply.
 5 A - 250 V fuse on common contact.

Wiring diagram



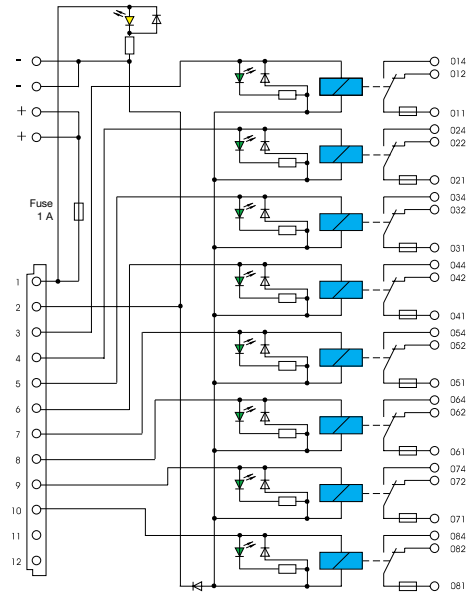
* Load limit for DC

a : resistance
 b : charge inductive, L/R = 20 ms



Wiring diagram

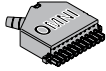
Interface with negative common connection.



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	
	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

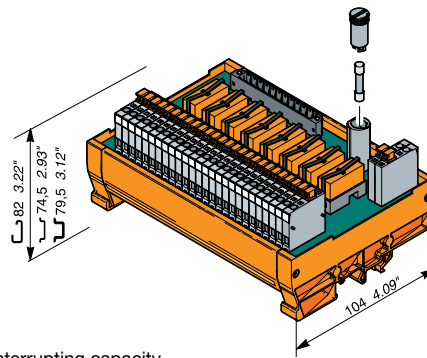


PLC decoupling interface
8-relay interface
Omniconnect product range

Width: 140 mm 5.51"

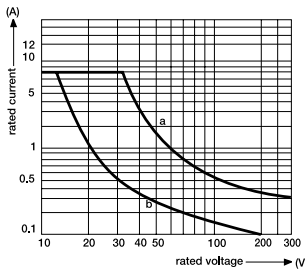


8 N relays 1 RT relay output interface with switch terminals



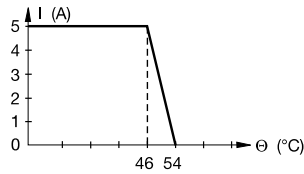
Pluggable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

a : resistance
 b : inductive load, L/R = 20 ms



De-rating curve

Part numbers

The units are delivered equipped with relays.
 The relays are also available separately.

Type	P/N
RIOM 821-S-24 VDC	0020 911.14
Schrack Relay 24V	0179 208.24

Characteristics

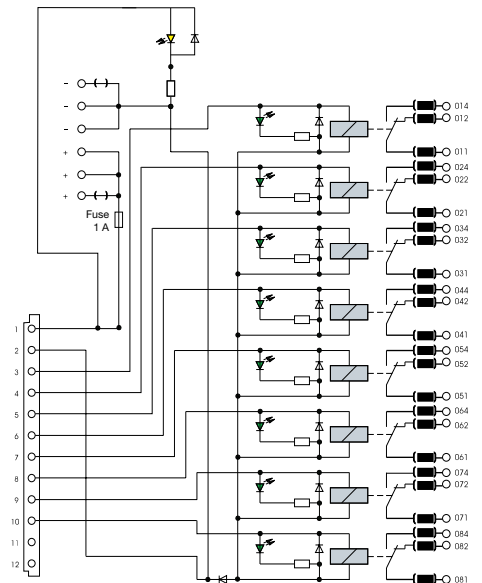
COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		15 mA
Trip voltage		2,4 VDC
CONTACT		
Type		1 RT
Voltage mini. / max.		5 V / 250 VAC
Switching current mini. / max.		1 mA / 5 A
Breaking capacity	AC1 mini. / max.	5 m VA / 1250 VA
	DC1 mini. / max.	5 m W / see graphs
Max. load		see graph
Number 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	
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

	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	ep. 9,1 mm 0103 002.26

Wiring diagram

Interface with negative common connection.



Interface compatible with automate output cards with positive common connection.

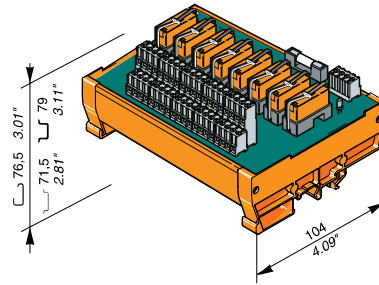
interfast



PLC decoupling interface
8-relay interface
Omniconnect product range

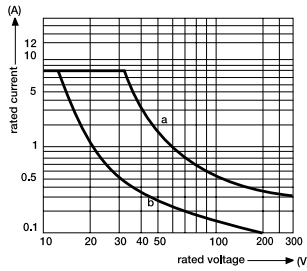
8 N relays 2 RT relay output interface

Width: 152 mm 5.98"



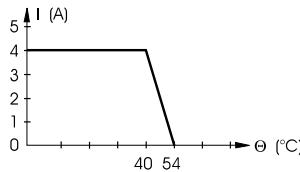
Pluggable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

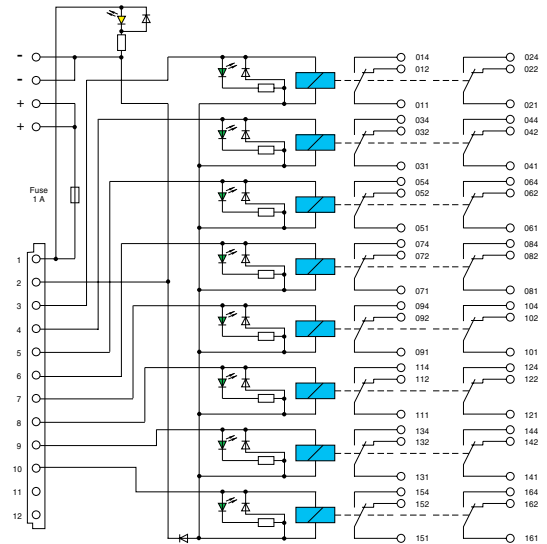
a : resistance
 b : inductive load, L/R = 20 ms



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 16 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

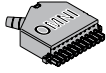
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 54°C

Wire capacity		0 - 2,5 mm ²
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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



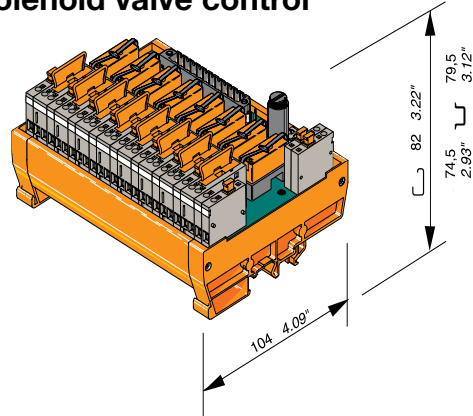
PLC decoupling interface
8-relay interface
Omniconnect product range

Width : 140 mm 5.51"



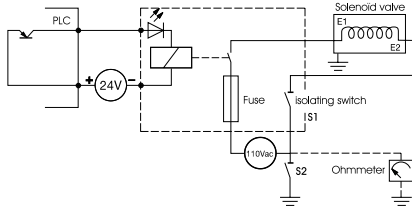
Pluggable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 Rating 1 A - 250 V. on PLC board power supply.
 Rating 2 A - 250 V. on relay contact.
 - Command indication by green LED.
 - 5 x 20 mm fuse in series with the relay contact which protects the solenoid valve in case of a short 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

The units are delivered equipped with relays.
 The relays are also available separately.

Type	P/N
RIOM 8 CEV - 24 VDC	0021 075.16
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

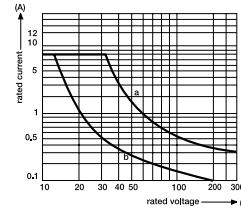
TEMPERATURE

Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 51°C

Wire capacity		0 - 2,5 mm ²
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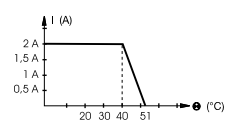
Accessories

	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

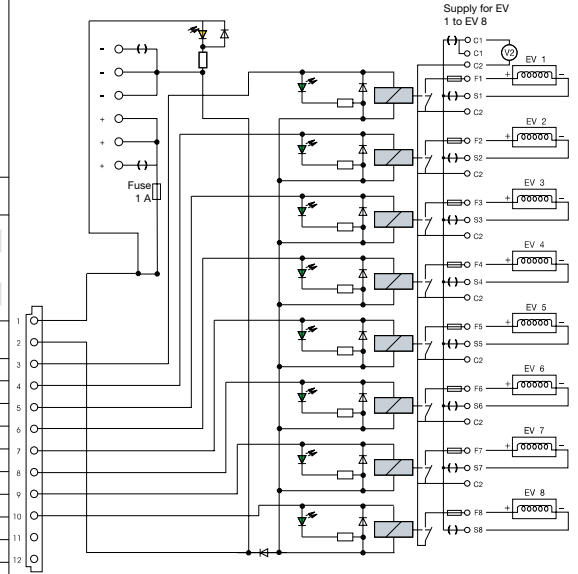


* Load limit for DC
 a : resistance
 b : inductive load,
 L/R = 20 ms

De-rating curve



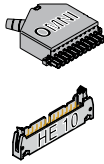
Wiring diagram



Interface with negative common connection.

Interface compatible with automate output cards with positive common connection.

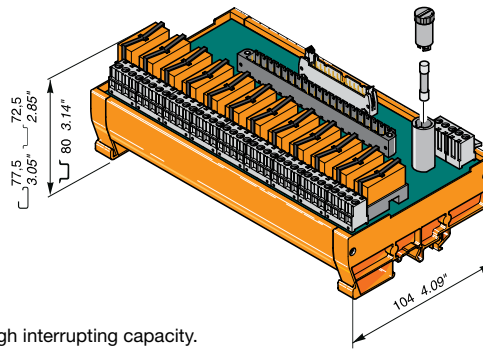
interfast



PLC decoupling interface 12-relay interface Omniconnect and HE 10/26 product range

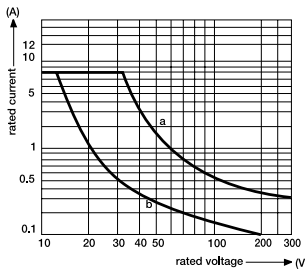
**12 N/P relays
1 RT relay output interface**

Width : 192 mm 7.56"



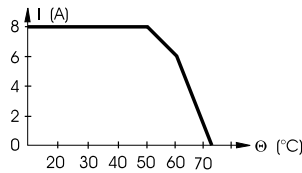
Pluggable relay.
Delivered with 5 x 20 mm fuse - High interrupting capacity.
Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

a : resistance
b : inductive load, L/R = 20 ms

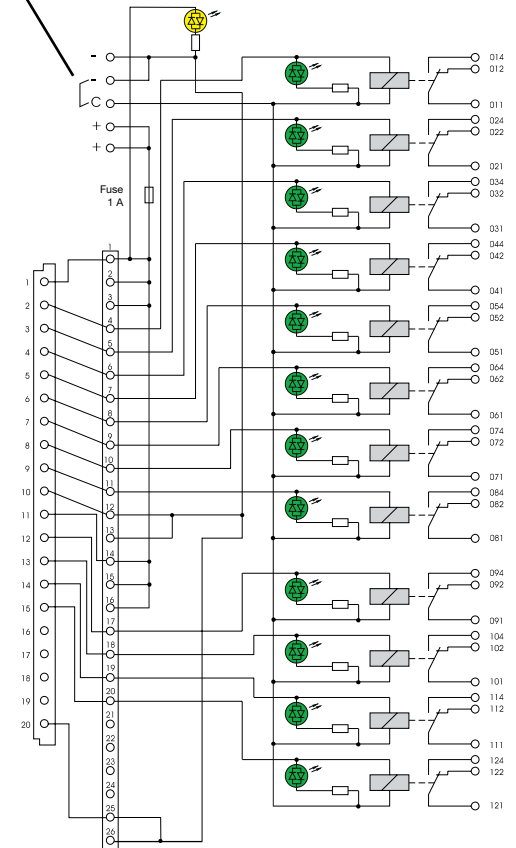


De-rating curve

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
RI 1221 N/P - 24 VDC	0021 083.07
Schrack® relay 24 V	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 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
	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

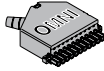
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 74°C

Wire capacity 0 - 2,5 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

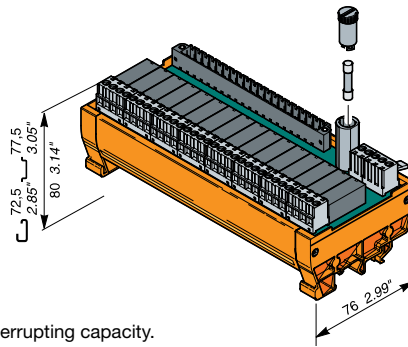
interfast



PLC decoupling interface
16-relay interface
Omniconnect product range

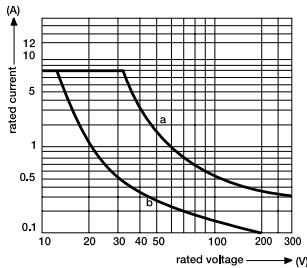
16 N/P relays
1 T relay output interface

Width 170 mm 6.69"



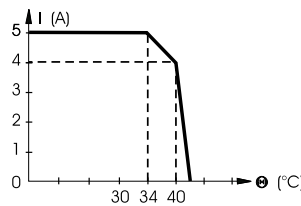
Non removable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

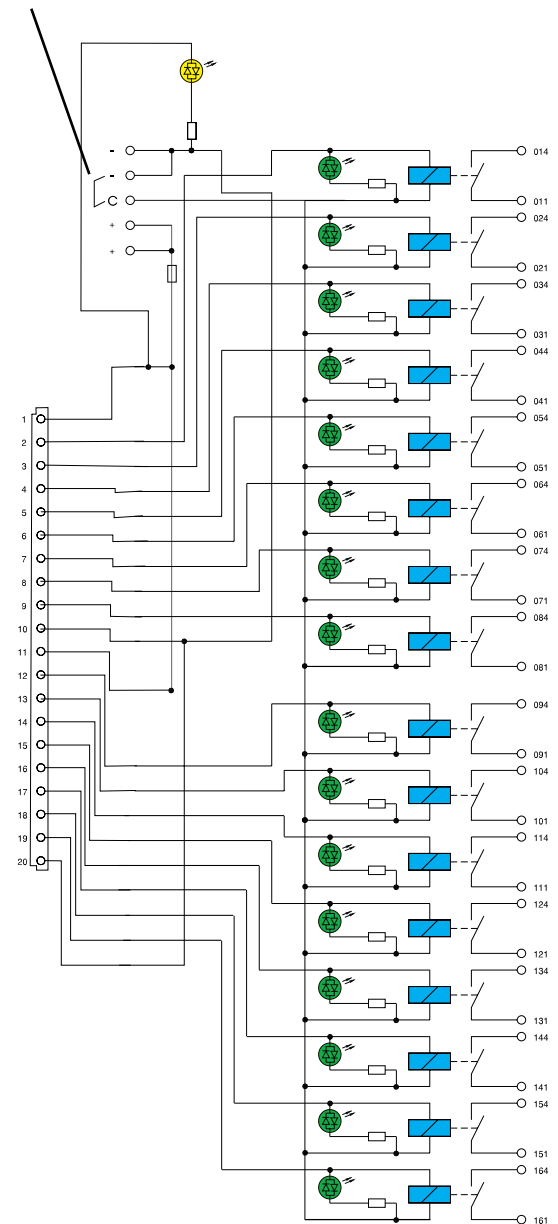
a : resistance
 b : inductive load, L/R = 20 ms



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
Number of operations	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

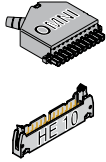
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 42°C

Wire capacity		0 - 2,5 mm ²
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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

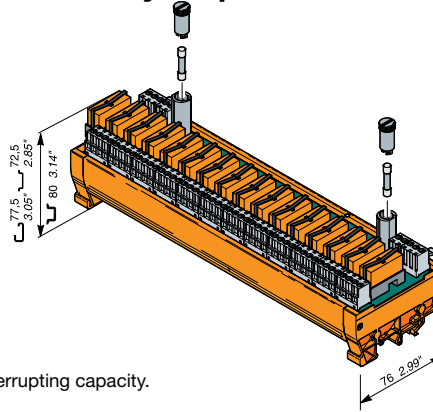


PLC decoupling interface
16-relay interface
Omniconnect product range
HE 10/26 product range

Width 252 mm 9.92"

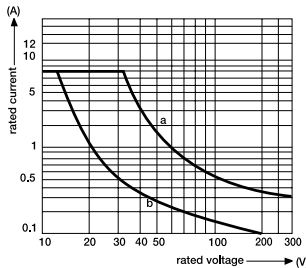


16 N/P relays 1 RT relay output interface



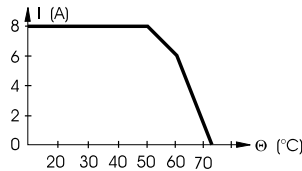
Pluggable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

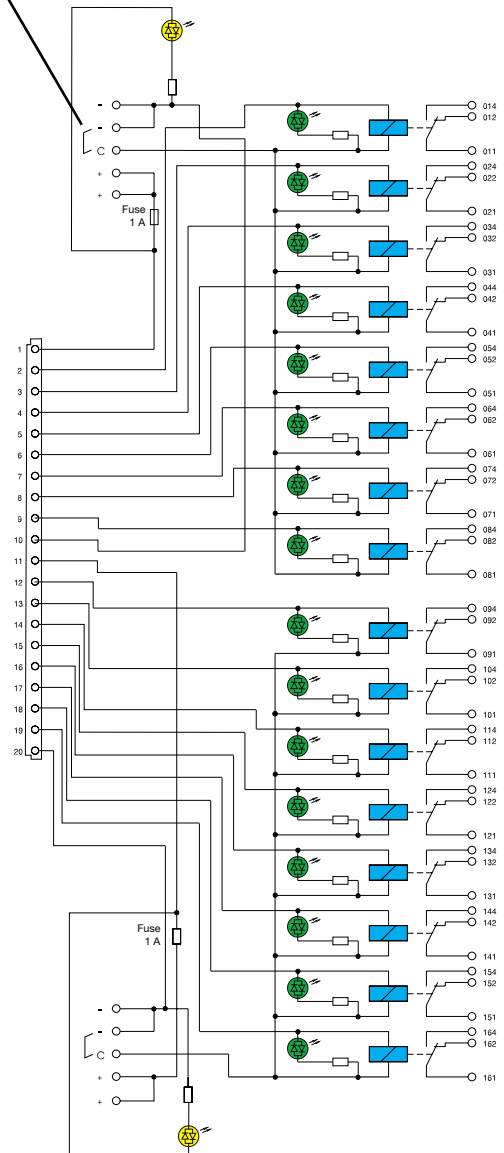
a : resistance
 b : inductive load, L/R = 20 ms



De-rating curve

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
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 graph

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

TEMPERATURE		
Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 74°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

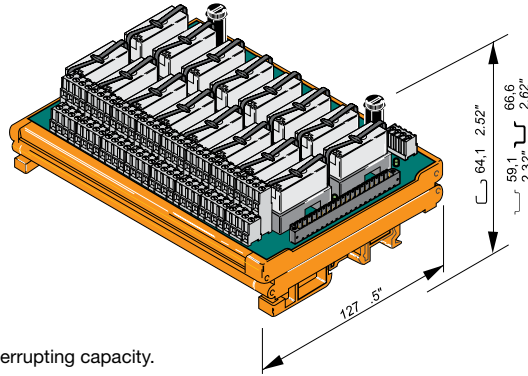
interfast



PLC decoupling interface
16-relay interface
Omniconnect product range

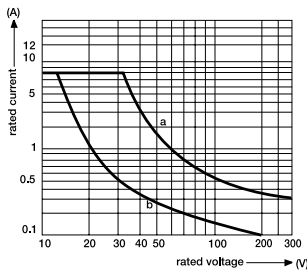
16 N/P relays
Compact 1 RT relay output interface

Width : 165 mm 6.49"



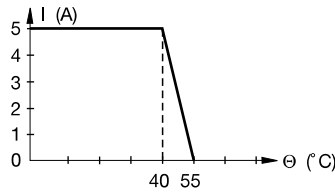
Pluggable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

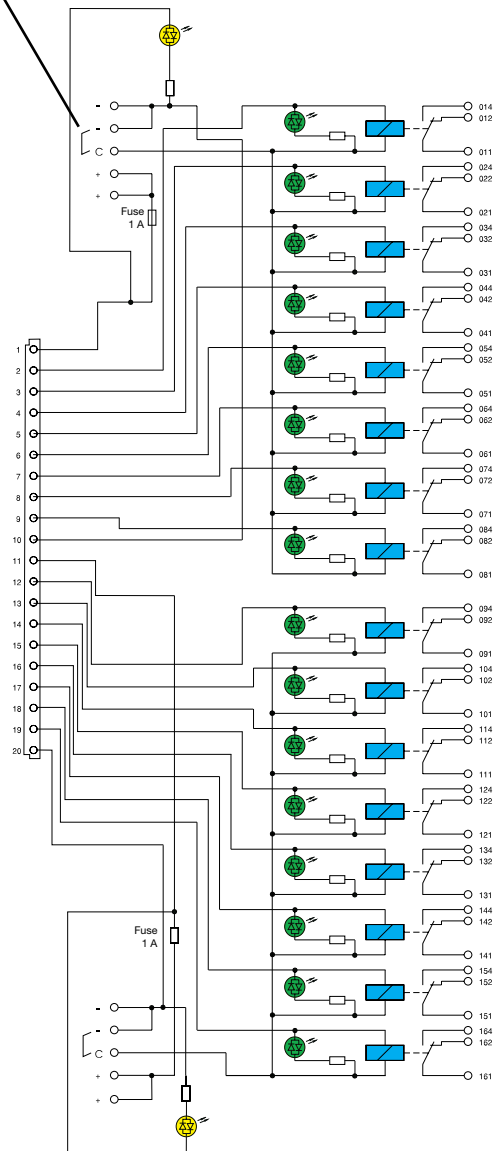
a : resistance
 b : inductive load, L/R = 20 ms



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		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		1,5 kV

TEMPERATURE

Ambient temperature	Storage	- 40°C to + 80°C
	Operating	- 20°C to + 55°C

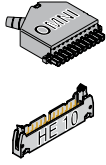
Wire capacity		0 - 2,5 mm ²
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Accessories

	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

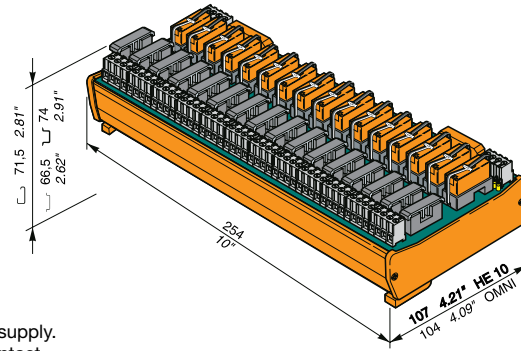
PLC decoupling interface
16-relay interface Omniconnect product range
HE 10/26 product range



Width: 254 mm 10.0"

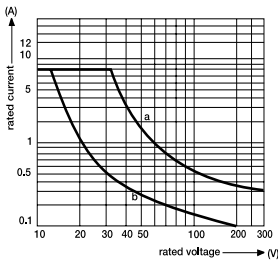


16 N/P relays 1 RT relay output interface with fused on common contact



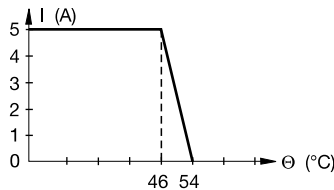
Pluggable relay.
Delivered with 5 x 20 mm fuse.
1 A - 250 V fuse on PLC power supply.
5 A - 250 V fuse on common contact.

Wiring diagram



* Load limit for DC

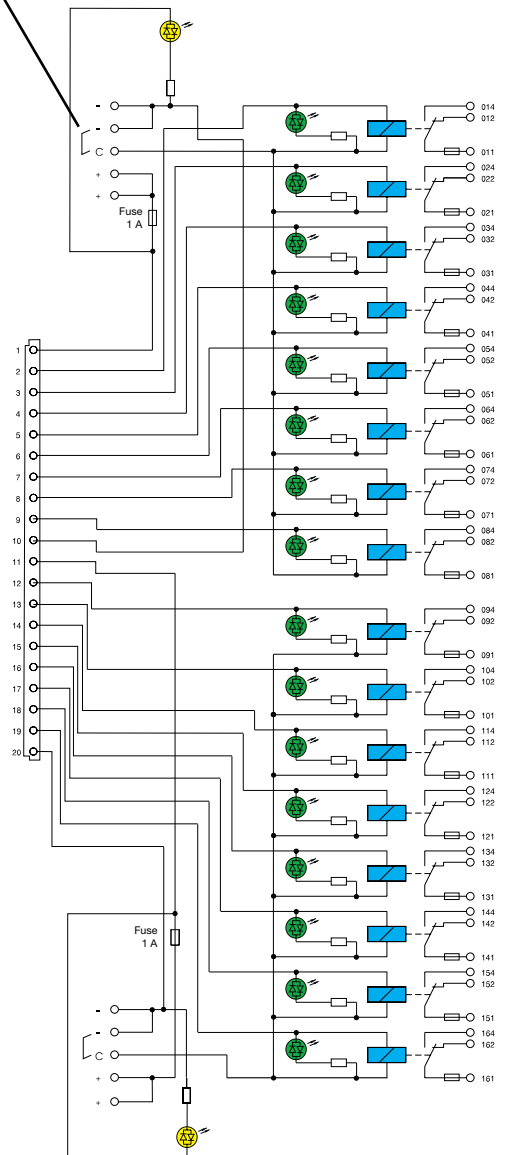
a : resistance
b : inductive load, L/R = 20 ms



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

The units are delivered equipped with relays.
The relays are also available separately.

Type	P/N
RI OM 1621 N/P-F-24	0020 927.14
Schrack® relay 24 V	0179 208.24

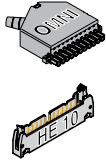
Characteristics

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.		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		7 ms
O		8 ms
Bounce		1 ms
Isolation Coil / Contact		5 kV
Resistance to shock waves Coil / Contact		2,5 kV
Isolation Contact / Contact		Level 4
E.M.C.		
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

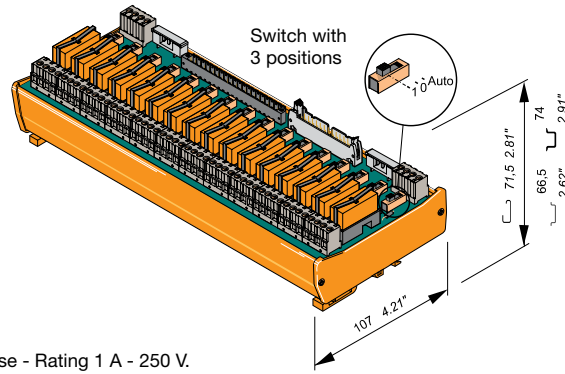
PLC decoupling interface
16-relay interface Omnicontact and HE 10/26 product range



Width: 252 mm 9.92"

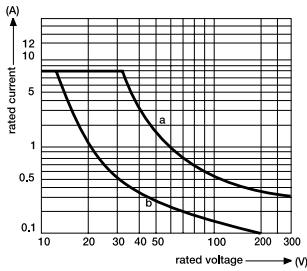


16 N/P relays 1 RT relay output interface with coil override



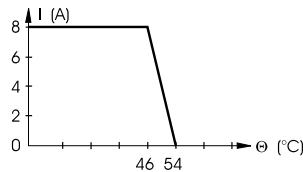
Pluggable relay.
Delivered with 5 x 20 mm fuse - Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

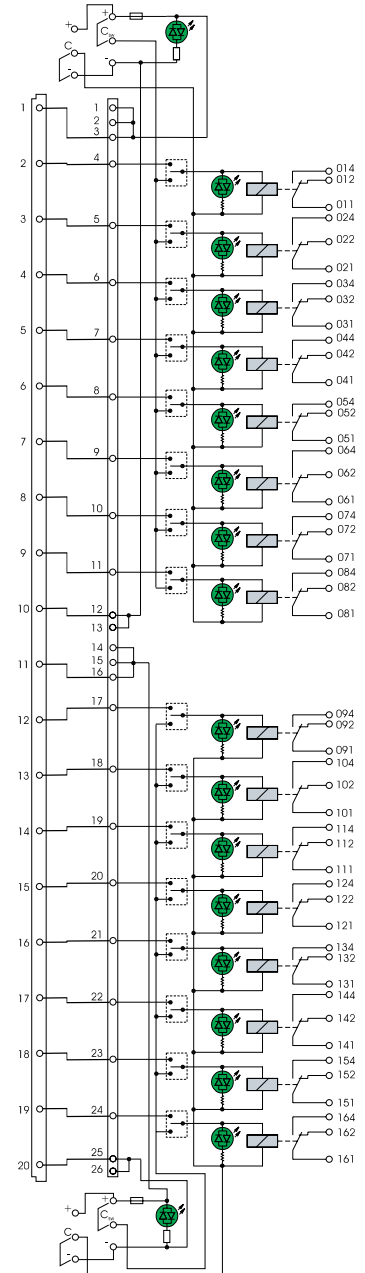
a : resistance
b : inductive load, L/R = 20 ms



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

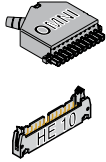
COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		15 mA
Trip voltage		2,4 VDC
CONTACT		
Type		1 RT
Voltage mini./max.		5 V / 250 VAC
Switching current mini. / max.		1 mA / 8 A
Breaking capacity	AC1 mini. / max.	5 m VA / 2000 VA
	DC1 mini. / max.	5 m W / see graphs
Max. load		see graph
Number of 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	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 and HE 10/26 product range

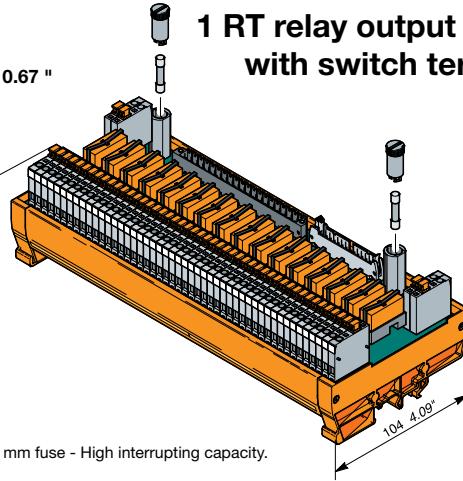


16 N/P relays 1 RT relay output interface with switch terminal

Width: 271 mm 10.67"

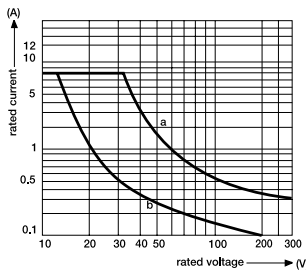


82 3.22"
74.5 2.93"
79.5 3.12"

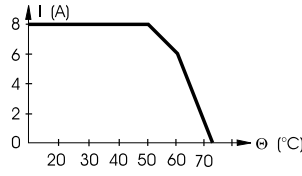


Pluggable relay.
Delivered with 5 x 20 mm fuse - High interrupting capacity.
Rating 1 A - 250 V.

Wiring diagram



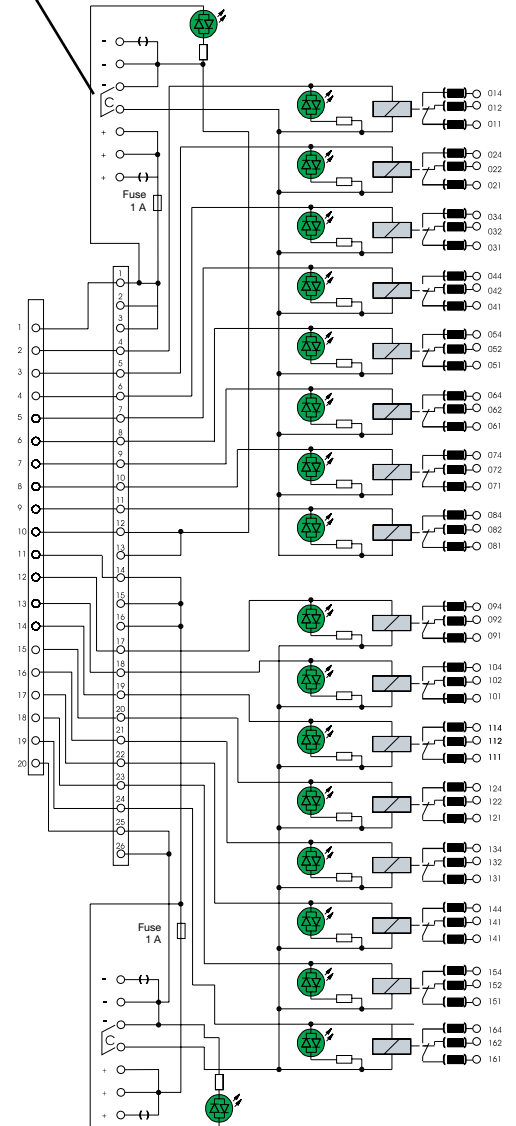
* Load limit for DC
a : resistance
b : inductive load, L/R = 20 ms



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 1621 N/P-S-24VDC	0020 929.26
Schrack® relay 24 V	0179 208.24

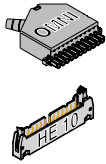
Characteristics

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		
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

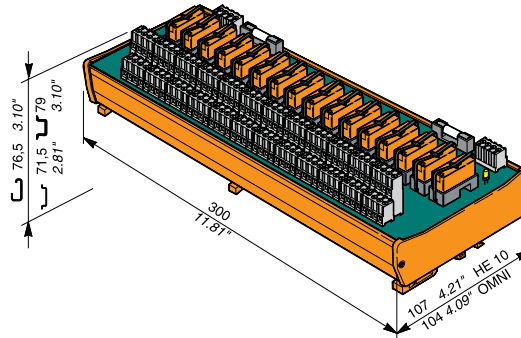
interfast



PLC decoupling interface
16-relay interface Omniconnect and HE 10/26 product range

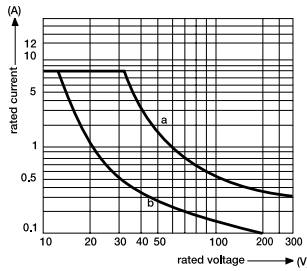
16 N/P relays 2 RT relay output interface

Width: 300 mm 11.81"



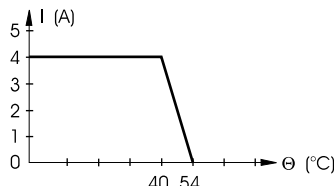
Pluggable relay.
 Delivered with 5 x 20 mm fuse - High interrupting capacity.
 Rating 1 A - 250 V.

Wiring diagram



* Load limit for DC

a : resistance
 b : inductive load, L/R = 20 ms



De-rating curve

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.	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

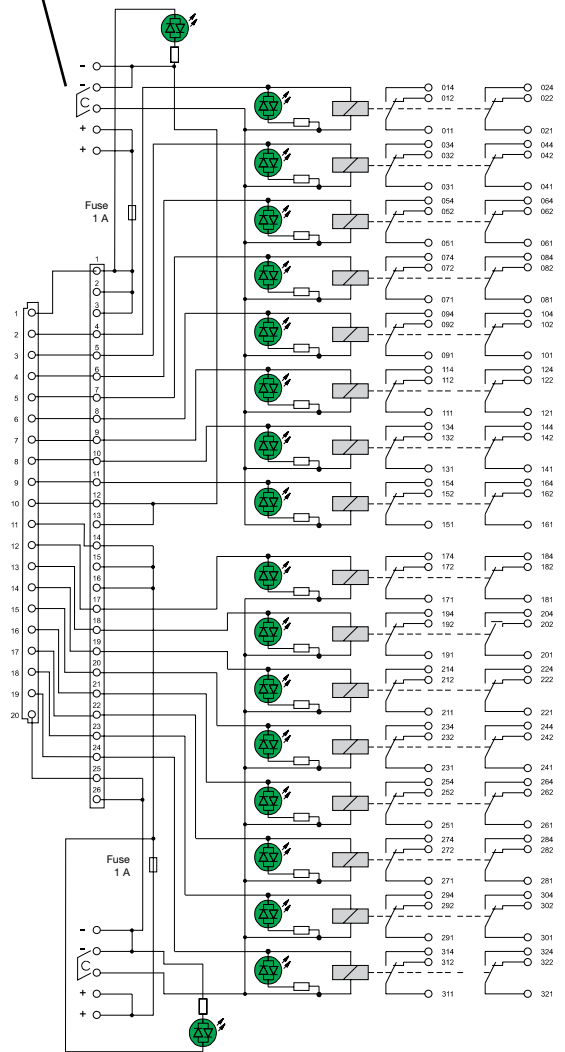
Wire capacity		0 - 2,5 mm ²
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Accessories

	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

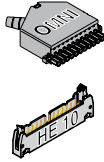
Interface with negative or positive common connection.
 Jumper allowing either a common + or a common -
 Delivered connected with a common -



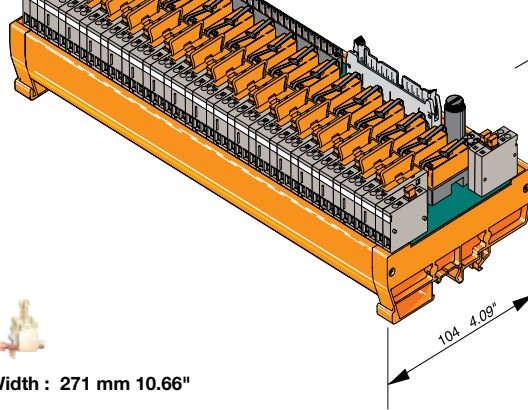
Interface compatible with automate output cards with positive or negative common connection.

interfast

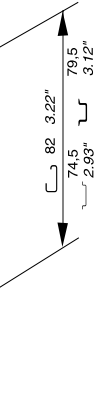
**PLC decoupling interface
16-relay interface
Omniconnect and HE 10/26 product range**



**16 N/P relays
1T relay output interface
for solenoid valve control**



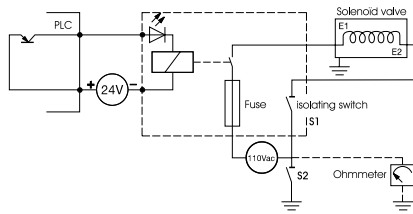
Width : 271 mm 10.66"



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 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
RI 16 CEV N/P - 24 V DC	0020 931.10
Schrack® relay 24V	0179 208.24

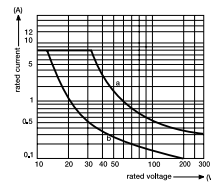
The units are delivered equipped with relays.
The relays are also available separately.

Characteristics

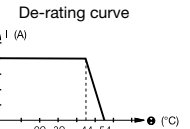
COIL		
Rated voltage	+ 20%, - 15%	24 VDC
Rated current		15 mA
Trip voltage		2,4 VDC
CONTACT		
Type		1 T
Voltage mini. / max.		5 V / 250 VAC
Switching current mini. / max.		1 mA / 5 A
Breaking capacity	AC1 mini. / max.	5 m VA / 1250 VA
	DC1 mini. / max.	5 m W / see graphs
Max. load		see graph
Number of operations	on load	10 ⁵
	off load	30 x 10 ⁶
Operating speed	C/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

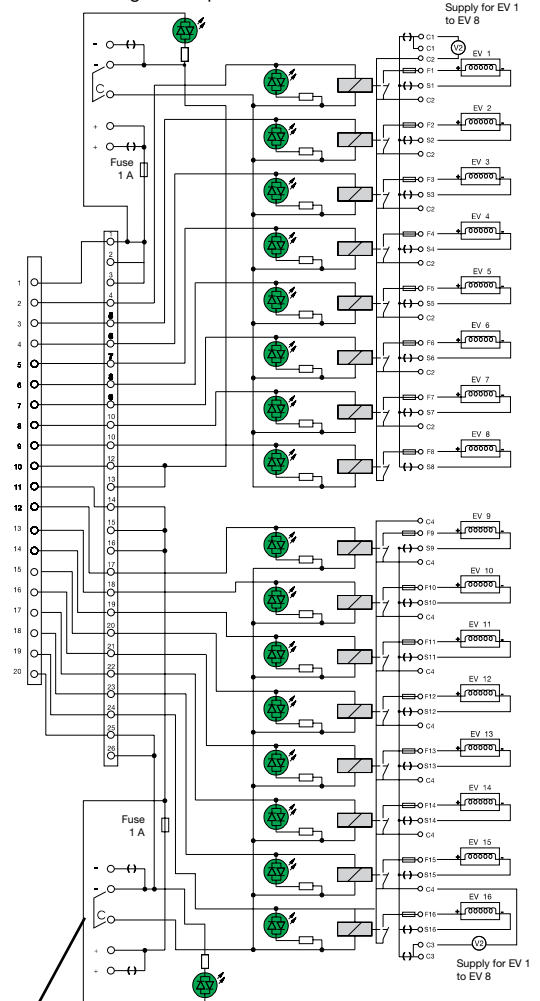


* Load limit for DC
a : resistance
b : inductive load,
L/R = 20 ms



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.

Notes

C



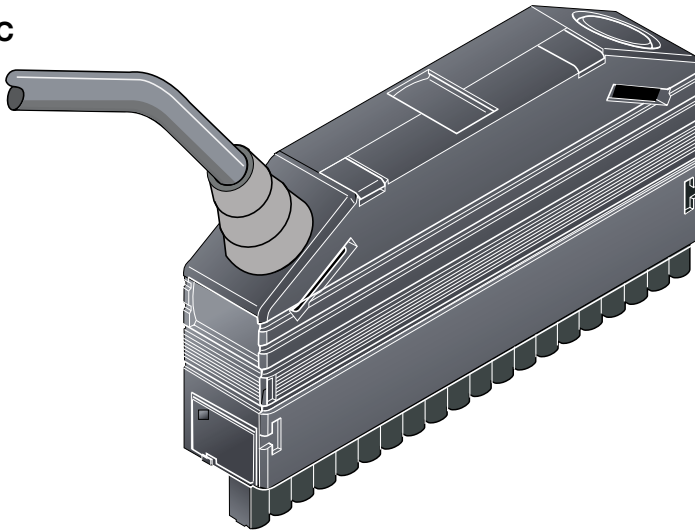
Summary

D1 - Terminal blocks	172
-----------------------------------	-----

D
1

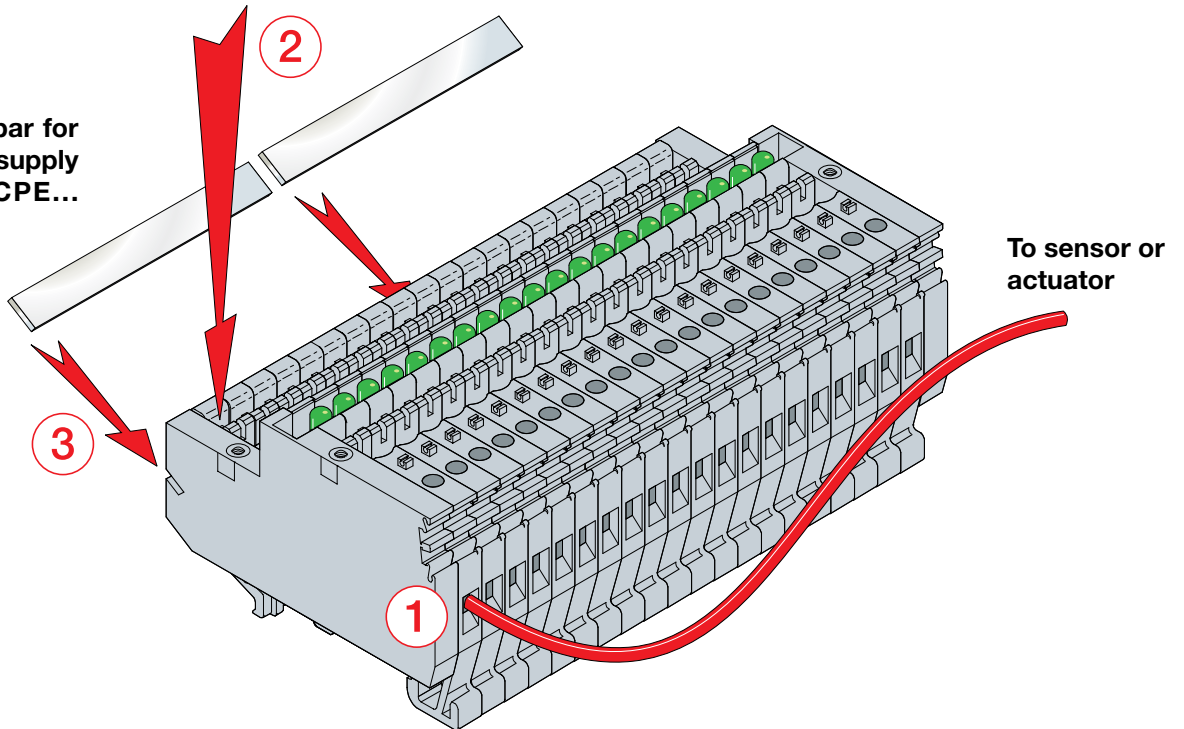
Connection of the assemblies

To PLC



2

Comb-type jumper bar for
Led blocks power supply
using MA 2,5/5-2CPE...
blocks



3

1

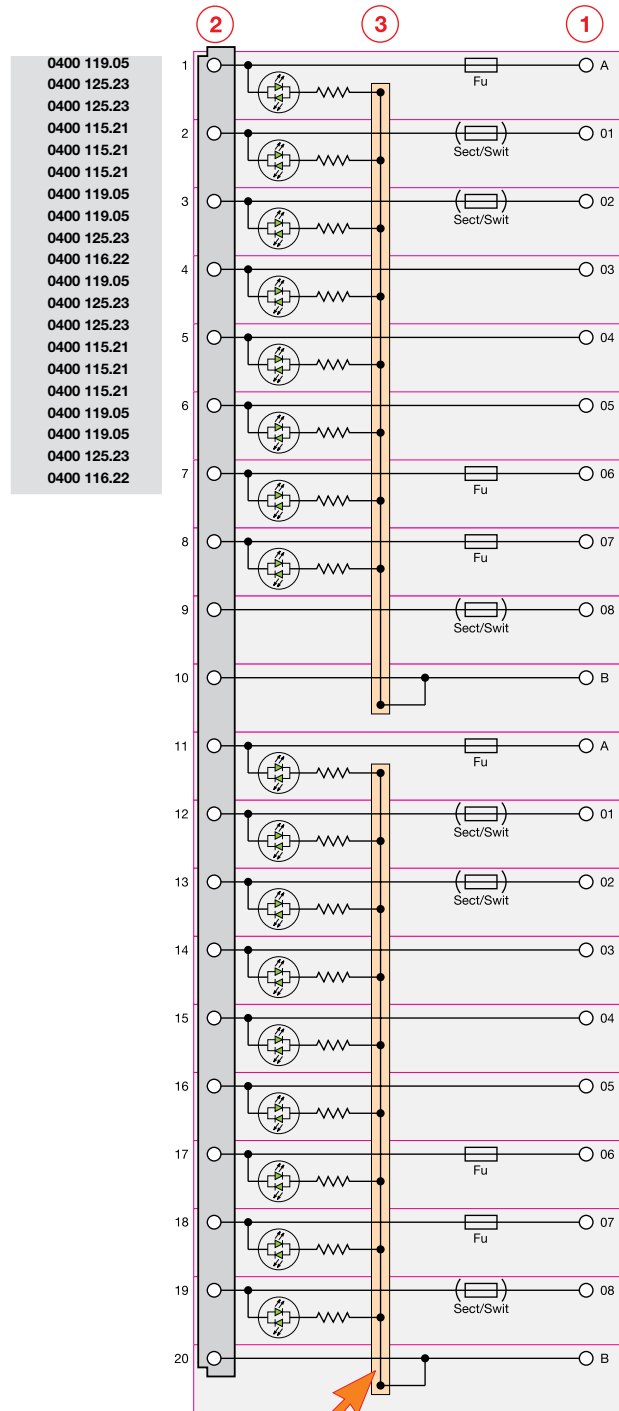
To sensor or
actuator

**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

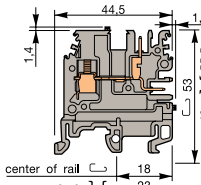
with removable connector

- Feed through
- Double deck
- Heavy duty switch with blade
- With plug fuse holder
- compression clamp

DIN 1-3

CE

MA 2,5/5.CPE... Spacing 5.08 mm .200"

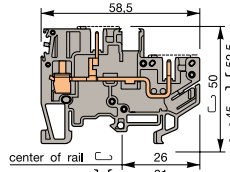


MA 2,5/5.CPE : standard block.

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"

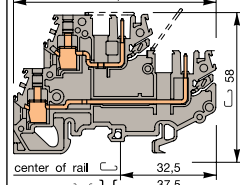


MA 2,5/5.2CPE : standard block.

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"

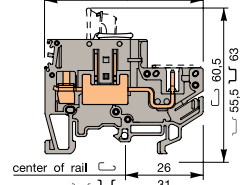


MA 2,5/5D2.2CPE : double deck blocks with 2 independent levels.
MA 2,5/5D2.2CPE.1-L24BD : double deck blocks with 24 V - 4,8 mA green bidirectional LED on each level.
MA 2,5/5D2.2CPE.1-L24BD : double deck blocks with 24 V - 4,8 mA green bidirectional LED on top level. The bottom level allow polarity 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.

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

	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 2,5/5.CPE.1-L24BD	0400 113.27	MA 2,5/5.2CPE.1-L24BD	0400 115.21	MA 2,5/5D2.2CPE.1-L24BD	0400 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

	IEC	UL	CSA	IEC	UL	CSA	IEC	UL	CSA	IEC	UL	CSA		
													pending	pending
Wire size	mm ² / AWG	Solid wire	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			0,22 - 2,5			0,22 - 2,5			0,22 - 2,5		
Rated voltage	V AC ~ / = DC		320 (3)	300	300	320	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
Rated wire size	mm ² / AWG		2,5 mm ²	12 AWG	12 AWG	2,5 mm ²	12 AWG	12 AWG	2,5 mm ²	12 AWG	12 AWG	2,5 mm ²	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

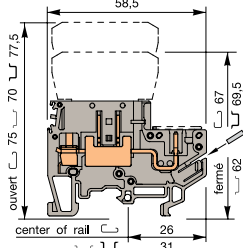
	Type	P/N	Type	P/N	Type	P/N	Type	P/N	
1 End section	grey	FEM6 th.2.8	118 368.16	FE2CPE th.2.8	215 038.20	FEDCP th.2.8	215 071.21	FE2CPE th.2.8	215 038.20
2 Separator end section (block)	blue	FEM6 th.2.8	128 368.10						
3 Separator end section (rail)	grey	SCF6 th.2.8	118 707.03						
4 Test socket	DIA. 2 mm	SCFM6 th.2.8	114 825.05						
5 Test device		SCFEX1 th.2.8	103 619.04						
6 Test plug	DIA. 2 mm	SCFEX3 th.2.8	103 620.01						
7 Preassembled	2 poles	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
	3 poles	DCB blue	105 028.21	DCB blue	105 028.21	DCB blue	105 028.21	DCB blue	105 028.21
	4 poles	FC2	007 865.26	FC2	007 865.26	FC2	007 865.26	FC2	007 865.26
	5 poles	BJMI5 ①②	176 278.16	BJMI5 ①②	176 278.16	BJMI5 ①②	176 278.16	BJMI5 ①②	176 278.16
	10 poles	BJMI5 ①②	176 279.17	BJMI5 ①②	176 279.17	BJMI5 ①②	176 279.17	BJMI5 ①②	176 279.17
8 Jumper bar not preassembled		BJMI5 ①②	176 280.05	BJMI5 ①②	176 280.05	BJMI5 ①②	176 280.05	BJMI5 ①②	176 280.05
Post + screw + washer		BJMI5 ①②	176 281.22	BJMI5 ①②	176 281.22	BJMI5 ①②	176 281.22	BJMI5 ①②	176 281.22
9 Connector plate		BJMI5 ①②	176 282.23	BJMI5 ①②	176 282.23	BJMI5 ①②	176 282.23	BJMI5 ①②	176 282.23
10 Comb-type jumper bar	2 poles	BJS5,08 ①② 24 poles	177 872.23	BJS5,08 ①② 24 poles	177 872.23	BJS5,08 ①② 24 poles	177 872.23		
	10 poles	EV5	168 629.16	EV5	168 629.16	EV5	168 629.16		
11 Isolating cover		EL6	173 627.21	EL6	173 627.21	EL6	173 627.21		
12 Shielding connector		PC5	113 542.10	PC5	113 542.10	PC5	113 542.10	PC5	113 542.10
		PC5	113 544.12	PC5	113 544.12	PC5	113 544.12	PC5	113 544.12
		EIP	113 550.24	EIP	113 550.24	EIP	113 550.24	EIP	113 550.24
13 Blocking peg		CBM5	178 745.14						
14 Detachable protection strips		CBM8	178 746.15						
15 End section-flange kit (R+L)		COCF32	173 660.16	COCF32	173 660.16	COCF32	173 660.16	COCF32	173 660.16
16 Busbar for LED common		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
17 Coding peg Nr 1		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
18 Plug fuse holder		BO05 length 500	177 849.04	BO05 length 500	177 849.04	BO05 length 500	177 849.04	BO05 length 500	177 849.04
R See markers section		COC1	299 777.16	COC1	299 777.16	COC1	299 777.16	COC1	299 777.16
		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 2,5/5.....1. (3) Working voltage : according to Led.

MA 2,5/5-SB-CPE

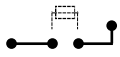
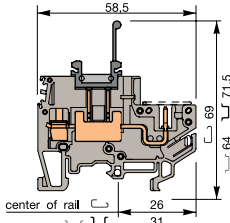
Spacing 5.08 mm .200"



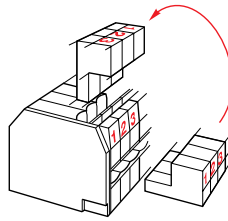
MA 2,5/5-SB-CPE : switch block with polarized plug (delivered separately).

MA 2,5/5-SFA...-CPE

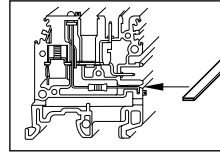
Spacing 5.08 mm .200"



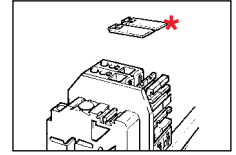
MA 2,5/5-SFA-CPE : switching block with fuse holder for Automotive Mini Fuse.
 MA 2,5/5-SFA-CPE-L24BD : switching block with fuse holder for Automotive Mini Fuse, equipped with bidirectional green LED 24 V - 4,8 mA.
 MA 2,5/5-SFA-CPE-AB : switching block with fuse holder for Automotive Mini Fuse, equipped with a zero value resistor for bidirectional leds power supply.



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.



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).

Type	P/N	Type	P/N
MA 2,5/5-SB-CPE	0400 117.23	MA 2,5/5-SFA-CPE	0400 118.04
		MA2,5/5-SFA-CPE-L24BD	0400 119.05
		MA2,5/5-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.		

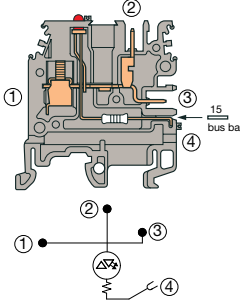
Type	P/N	Type	P/N
FE2CPE th.2.8	215 038.20	FE2CPE th.2.8	215 038.20
DCB blue	105 028.21	FC2	007 865.26
FC2	007 865.26	FC2	007 865.26

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	174 896.11		
FUBS (6) 5A	174 897.12		
RC510		RC510	

(4) Rated current : according the fuse : 5 A max. (5) Plug + solder tags + screws.
 (6) Soldered fuse. (7) Mini fuse - 32 V max.

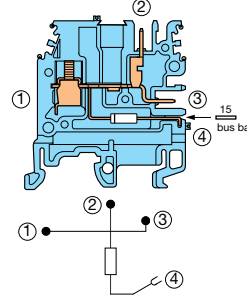
MA 2,5/5-CPE-L24BD

Standard block equipped with a 24 V - 4,8 mA green bidirectional LED.



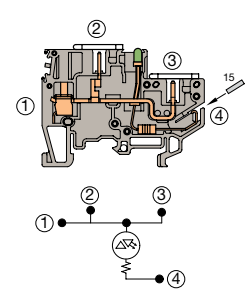
MA 2,5/5-CPE-AB

Standard block equipped with a zero value resistor.



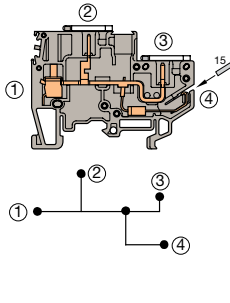
MA 2,5/5-2CPE1-L24BD

Standard block equipped with a 24 V - 4,8 mA green bidirectional LED.



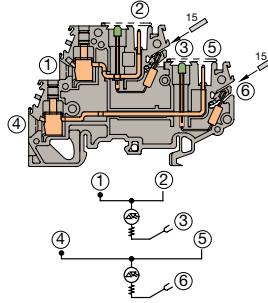
MA 2,5/5-2CPE1-AB

Standard block equipped with a zero value resistor.



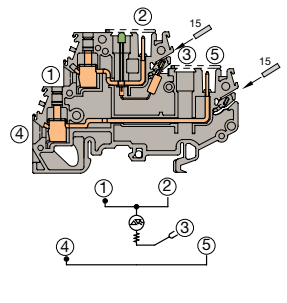
MA 2,5/5D2-2CPE1-AB

Double deck block equipped with 24V - 4,8mA green bidirectional LED on each level.



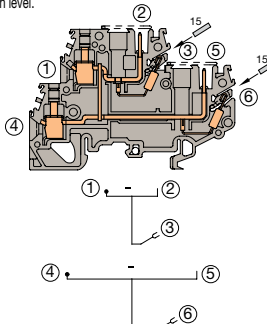
MA 2,5/5D2-2CPE1-1L24BD

Double deck blocks with 24 V - 4,8 mA green bidirectional LED on top level.



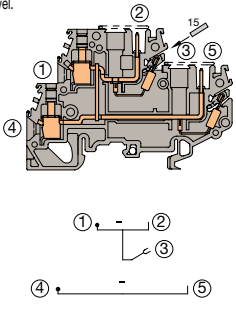
MA 2,5/5D2-2CPE1-AB

Double deck block equipped with a zero value resistor on each level.



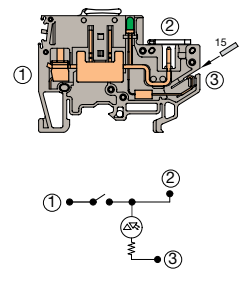
MA 2,5/5D2-2CPE1-AB/1

Double deck block equipped with a zero value resistor on top level.



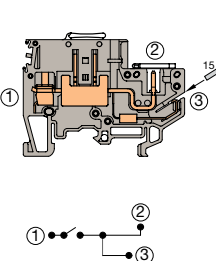
MA 2,5/5-SNB-L24BD

Switch block equipped with 24 V - 4,8 mA green bidirectional LED.



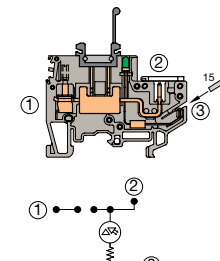
MA 2,5/5-SNB-CPE-AB

Switch block equipped with a zero value resistor.



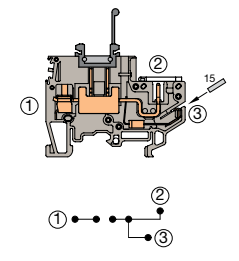
MA 2,5/5-SFA-CPE-L24BD

Fuse block equipped with 24 V - 4,8 mA green bidirectional LED.



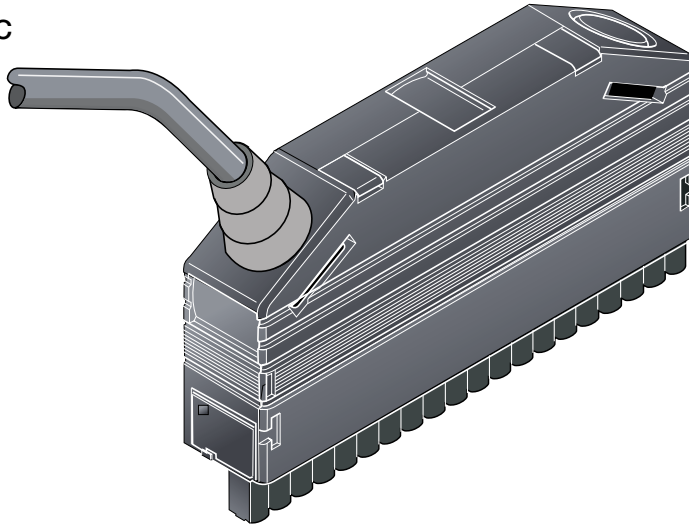
MA 2,5/5-SFA-CPE-AB

Fuse block equipped with a zero value resistor.

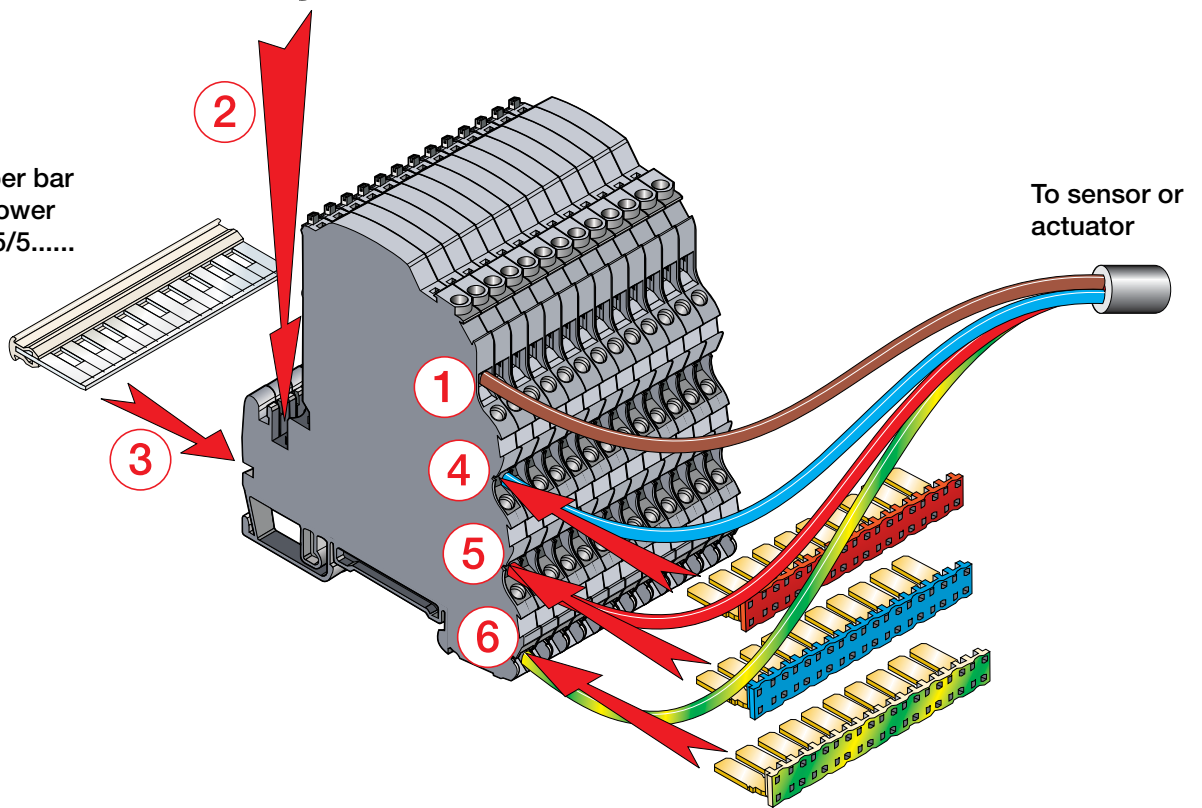


Connection of the assemblies

To PLC



Comb-type jumper bar for Led blocks power supply using D2,5/5..... AB blocks

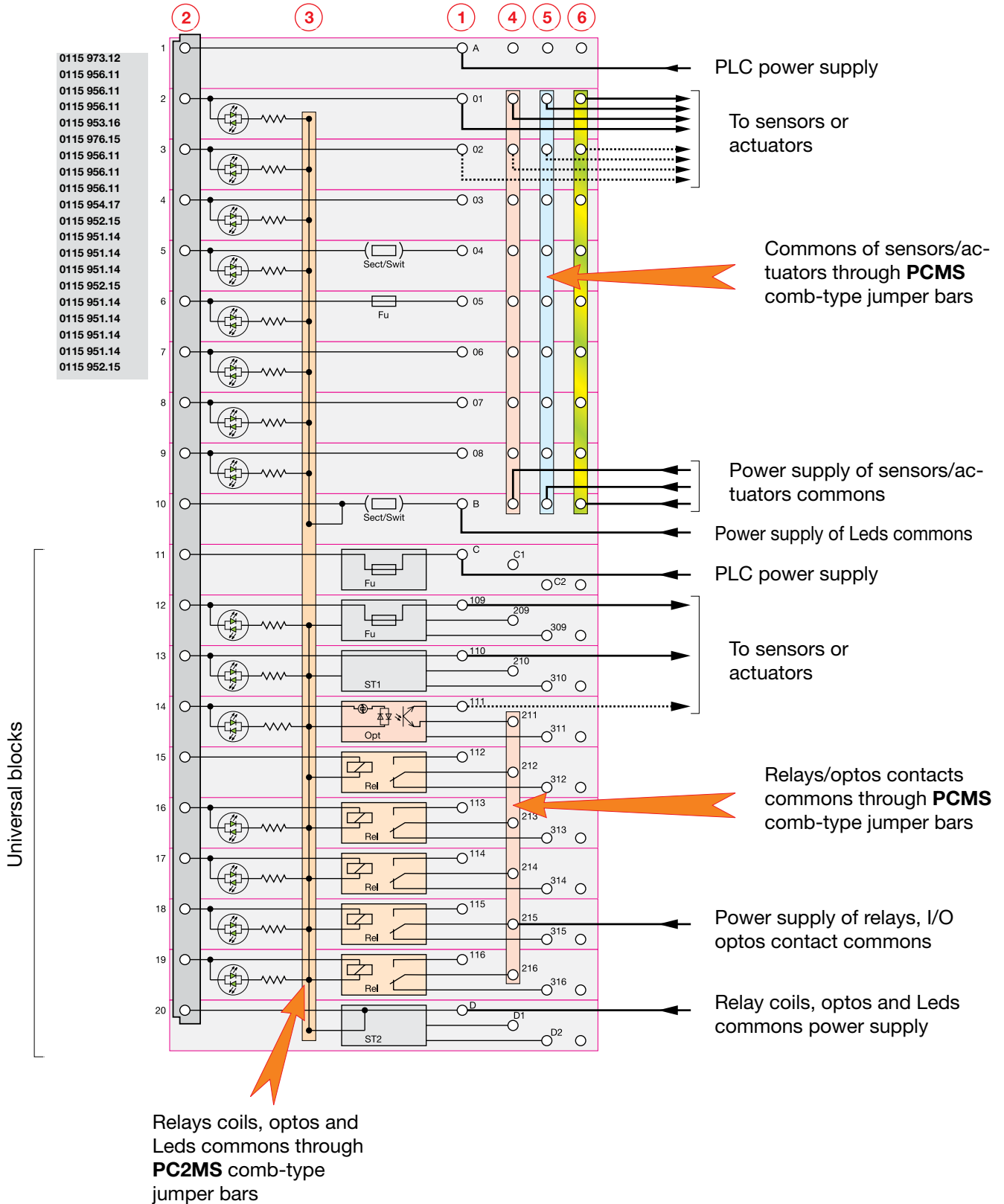


Standard pre-wired assemblies
Ask for our «Interfast» catalog.

Assemblies made on request,
consult us.

Applications

Omniconnect
connector
to PLC



Terminal blocks for connector Compression clamp DIN 3



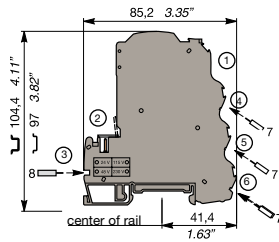
End stop		th. 9 mm	BADL	V0	0399 903.02
End stop		th. 9,1 mm	BAM	V2	0103 002.26
End stop		th. 9,1 mm	BAM V0	V0	0199 306.03
Rail		35 x 7,5 x 1	PR3.Z2		0174 300.17
Rail		35 x 15 x 2,3	PR4		0168 500.12
Rail		35 x 15 x 1,5	PR5		0168 700.22

Observations

Max. working temperature
version without LED : 100°C
version with LED : 85°C
Contact resistance : < 5 mΩ

D 2,5/5-T3PI-CPE...

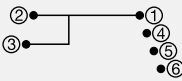
Spacing 5,08 mm (.200")



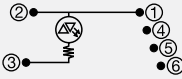
D 2,5/5-T3PI-CPE



D 2,5/5-T3PI-CPE-AB



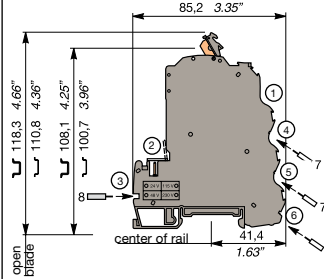
D 2,5/5-T3PI-CPE-L24BD



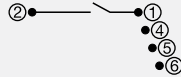
Equipped with
a green 2 direction LED 24 V - 4,7 mA

D 2,5/5-SNB-T3PI-CPE...

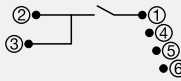
Spacing 5,08 mm (.200")



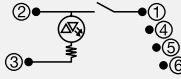
D 2,5/5-SNB-T3PI-CPE



D 2,5/5-SNB-T3PI-CPE-AB



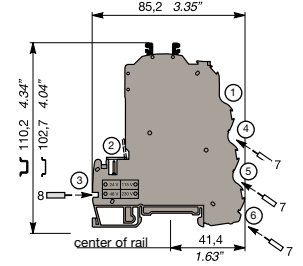
D 2,5/5-SNB-T3PI-CPE-L24BD



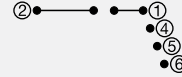
Equipped with
a green 2 direction LED 24 V - 4,7 mA

D 2,5/5-SFA-T3PI-CPE...

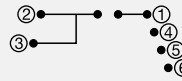
Spacing 5,08 mm (.200")



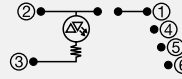
D 2,5/5-SFA-T3PI-CPE



D 2,5/5-SFA-T3PI-CPE-AB



D 2,5/5-SFA-T3PI-CPE-L24BD



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	
			0,2-4 mm ²	24-12 AWG	0,2-4 mm ²	24-12 AWG
		Stranded wire	0,22-2,5 mm ²	24-12 AWG	0,22-2,5 mm ²	24-12 AWG
Voltage	Rated		320 V	300 V	320 V	300 V
	Pulse		4 kV		4 kV	
	Pollution degree		3		3	
Current	Rated		12 A	10 A	10 A	10 A
	Wire size	Rated / Gauge	2,5 mm ²	12 AWG	2,5 mm ²	12 AWG
Wire stripping length			10 mm / .394"		10 mm / .394"	
Recommended screwdriver			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	
Protection			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	CPF 5,08 10 poles	0199 323.23	CPF 5,08 10 poles	0199 323.23	
	2 12 or 20 poles cover	CPMS 20 (4)	0205 227.01	CPMS 20 (4)	0205 227.01	CPMS 20 (4)	0205 227.01
	34 poles cover	CPMS 34 (4)	0206 163.02	CPMS 34 (4)	0206 163.02	CPMS 34 (4)	0206 163.02
3 Label for CPMS cover			RTMS 12 poles	0205 805.06	RTMS 12 poles	0205 805.06	
			20 poles	0205 361.17	20 poles	0205 361.17	
			34 poles	0206 164.03	34 poles	0206 164.03	
4 Blocking peg	COCF 32	0173 660.16	COCF 32	0173 660.16	COCF 32	0173 660.16	
5 Coding peg Nr 1	COC1	0299 777.16	COC1	0299 777.16	COC1	0299 777.16	
6 End section-flange kit (R + L)	FEMS	0400 110.00	FEMS	0215 368.17	FEMS	0215 368.17	
7 Comb type jumper bar	PCMS V0 2 to 22 poles	see next pages	PCMS V0 2 to 22 poles	see next pages	PCMS V0 2 to 22 poles	see next pages	
8 Jumper bar orange	PC2MS 34 poles	0400 169.17	PC2MS 34 poles	0400 169.17	PC2MS 34 poles	0400 169.17	
9 Test device	DCB (3) blue	0105 028.21	DCB (3) blue	0105 028.21	DCB (3) blue	0105 028.21	
10 Test plug	FC2 DIA. 2	0007 865.26	FC2 DIA. 2	0007 865.26	FC2 DIA. 2	0007 865.26	
11 ATO fuse-holder plug black					BF5 AUTO V0 (6)	0299 877.03	
12 ATO fuse-holder plug black					BFMS AUTO V0	0399 170.16	
13 Mini Fuse - 32 V max.					FUAUTO 2A	0179 879.14	
					FUAUTO 3A	0179 880.02	
					FUAUTO 5A	0211 277.00	
14 Separator	SCMS	0400 172.02	SCMS	0400 172.02	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. 9,1 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

Characteristics

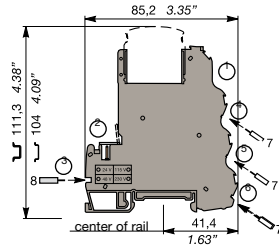
		IEC		UL/CSA pending	
Wire size	Compression clamp	Solid wire	0,2-4 mm ²	24-12 AWG	
		Stranded wire	0,22-2,5 mm ²	24-12 AWG	
Voltage	Rated		320 V	300 V	
	Pulse		4 kV		
	Pollution degree		3		
Current	Rated		6 A	6 A	
	Wire size	Rated / Gauge	2,5 mm ²	12 AWG	
Wire stripping length		10 mm / .394"			
Recommended screwdriver		3,5 mm / .137"			
Recommended torque		0,4-0,6 Nm / 3,5-5,3 lb.in			
Protection		IP 20 / NEMA1 (5)			

Accessories

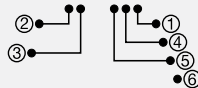
		Type	Part numbers
	1 Detachable protection strips	CPF 5,08	10 poles 0199 323.23
	2 12 or 20 poles cover	CPMS 20 (4)	0205 227.01
	3 34 poles cover	CPMS 34 (4)	0206 163.02
	4 Blocking peg	COCF 32	0173 660.16
	5 Coding peg Nr 1	COC1	0299 777.16
	6 End section-flange kit (R + L)	FEMS	0400 110.00
	7 Comb type jumper bar	PCMS V0 2 to 22 poles	see next pages
	8 Jumper bar orange IP20 - 24 A	PC2MS	10 poles 0400 110.00 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	(5)

D 2,5/5-UNI-CPE...

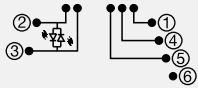
Spacing 5,08 mm (.200")



D 2,5/5-UNI-CPE



D 2,5/5-UNI-CPE-L24BD



Equipped with a green LED 4,7 mA



Type	Part numbers
Grey	
D 2,5/5-UNI-CPE	0115 952.15
D 2,5/5-UNI-CPE-L24BD	0115 951.14

Order plugs separately (see next column)

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 (See Characteristics on the next pages)

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 (See Characteristics on the next pages)

1 RT		BNMS R24V-1		0031 820.14
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Fuse plug (See Characteristics on the next pages)

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 (See Characteristics on the next pages)

125 V / 125 mA		BNMS F125mA-3		0031 827.07
250 V / 125 mA		BNMS F125mA-4		0031 828.10

Strap plug (See Characteristics on the next pages)

		BNMS ST1		0031 829.11
		BNMS ST2		0031 830.16

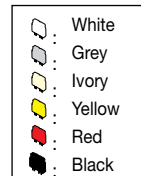
Model 2 plugs

Output optocoupler plugs (See Characteristics on the next pages)

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 (See Characteristics on the next pages)

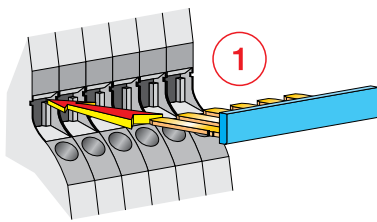
0 - 20 mA	0 - 10 V	BNMS CAI/U-500		0031 832.04
4 - 20 mA	2 - 10 V	BNMS CAI/U-500		0031 832.04
0 - 20 mA	0 - 5 V	BNMS CAI/U-250		0031 833.05
4 - 20 mA	1 - 5 V	BNMS CAI/U-250		0031 833.05



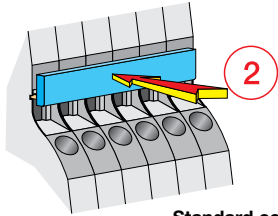
(3) Solely on the top stage.
(4) Sticks to the end section-flanges 6. (5) IP20 block with detachable protection strips, to order separately.
(6) Do not use with CPMS cover on.

COMB TYPE JUMPER BAR INSTALLATION

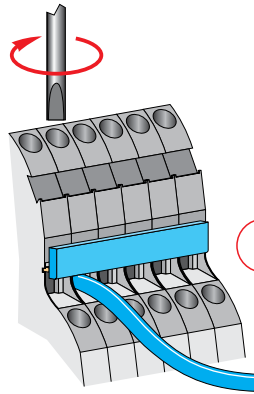
NOTE : It is recommended to install the comb type jumper bar before mounting the terminal boards on the rail. Make sure that the screws are completely loosened.



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.



interfast MS

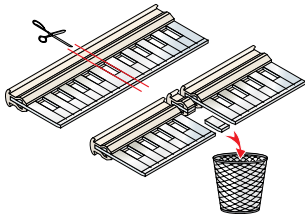
3 - Snap the terminal board on the rail. Connect the wires if necessary, and lock the comb type jumper bar with **all** the screws.

Standard comb type jumper bar :

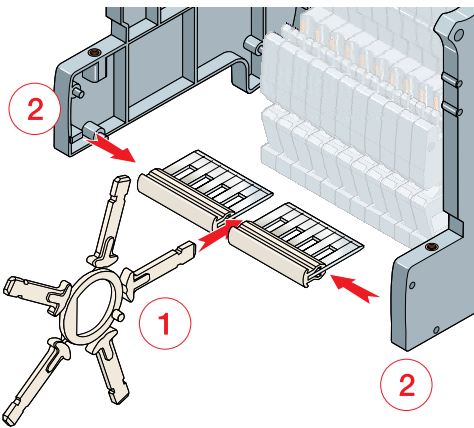
No of poles	Type	GREY	RED	BLUE	YELLOW/GREEN
12	BFMS-12	0205 531.22	0205 532.23	0205 533.24	0205 534.25
20	BFMS-20	0205 563.02	0205 564.03	0205 565.04	0205 566.05

MAINTENANCE

A - Shunt use

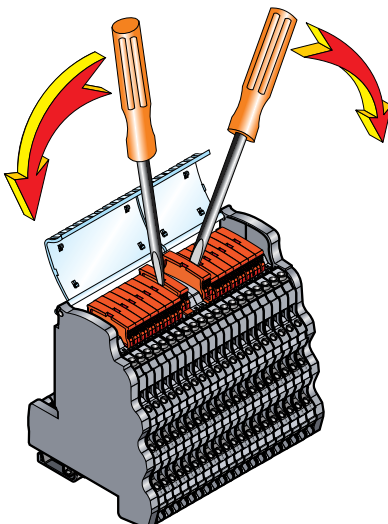


To separate the shunt, cut it on both sides of the indicated zone. Throw away the useless pieces.

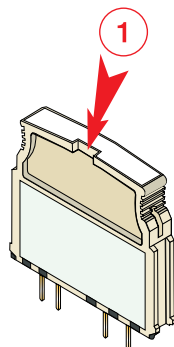


Each shunt end has to be flanked by a separator ① or an end section ②.

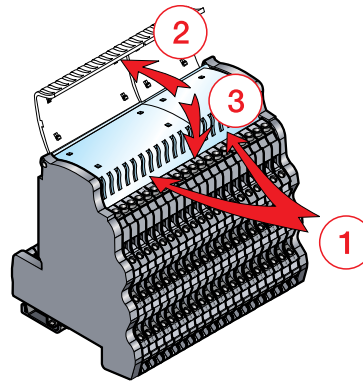
C - Plug extraction



1 - Insert the screwdriver in the slot and lever out right or left to extract the plug.



B - Cover opening / closing



Opening

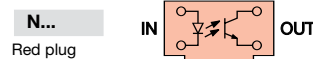
- 1 - Push lightly in the direction of the arrows.
- 2 - Open the cover according to the arrow.

Closing

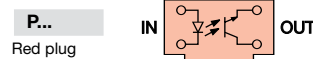
- 3 - Close the cover according to the arrow.
- 1 - Push lightly in the direction of the arrows.

D - Plug description

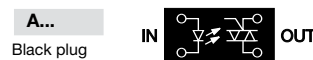
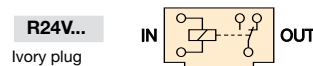
Opto coupler output with negative field voltage



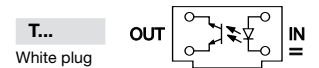
Opto coupler output with positive field voltage



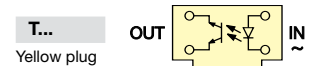
Output relay



DC input opto coupler



AC input opto coupler



Fuse





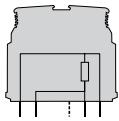
Accessories - Marking

Summary

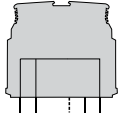
E1 - Accessories	181
E2 - Marking	193

Range of plugs

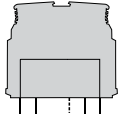
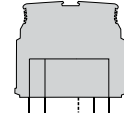
ABB Entelec offers a wide range of Interfast plugs.



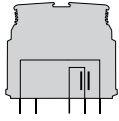
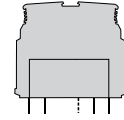
Converter plug



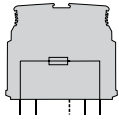
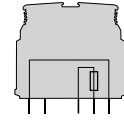
Strap 2 plug



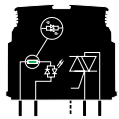
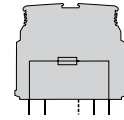
Strap 1 plug



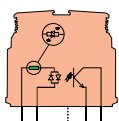
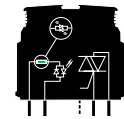
Input fuse plug



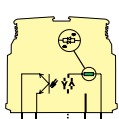
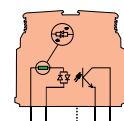
Output fuse plug



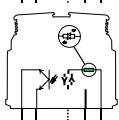
AC output optocoupler plug



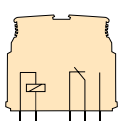
DC output optocoupler plug



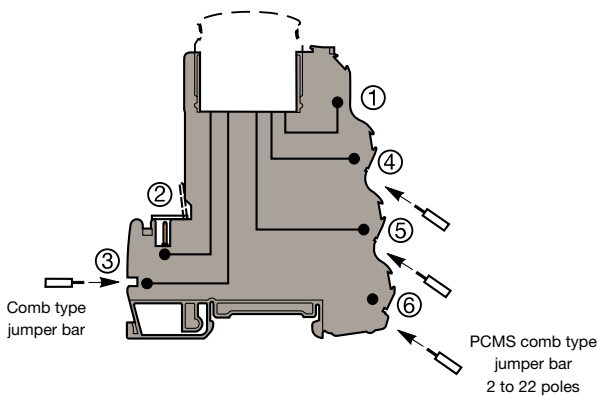
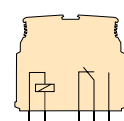
AC input optocoupler plug



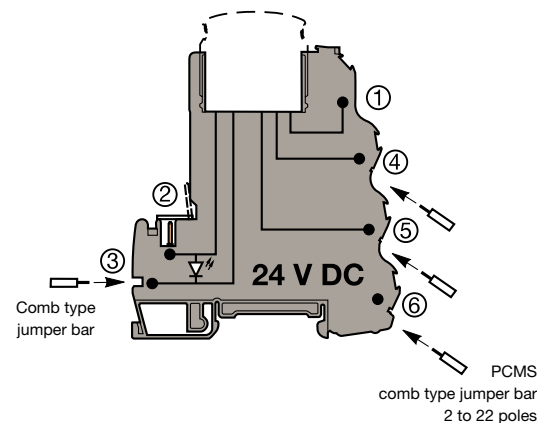
DC input optocoupler plug



Relay plug



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)

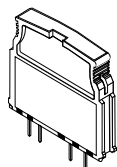
5 V DC 100 mA	BNMS N5V-3	Red	0031 806.13
5 V DC 100 mA	BNMS P5V-3	Red	0031 809.26
48 V DC 100 mA	BNMS N48V-3	Red	0031 808.25
48 V DC 100 mA	BNMS P48V-3	Red	0031 811.07
5 V DC 2 A	BNMS N5V-1	Red	0031 812.00
5 V DC 2 A	BNMS P5V-1	Red	0031 814.02
5 V DC 1 A	BNMS N5V-2	Red	0031 816.04
5 V DC 1 A	BNMS P5V-2	Red	0031 818.16

Converter plug (See Characteristics on the next pages)

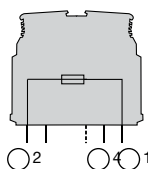
0 - 20 mA 0 - 10 V	BNMS CAI/U-500	Grey	0031 832.04
4 - 20 mA 2 - 10 V	BNMS CAI/U-500	Grey	0031 832.04
0 - 20 mA 0 - 5 V	BNMS CAI/U-250	Grey	0031 833.05
4 - 20 mA 1 - 5 V	BNMS CAI/U-250	Grey	0031 833.05

interfast MS

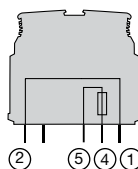
Fuse and strap plugs



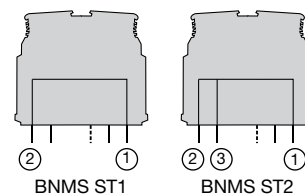
Output fuse plug



Input fuse plug



Strap plug

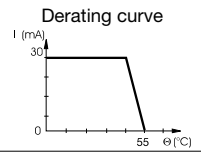
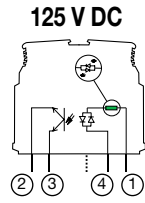
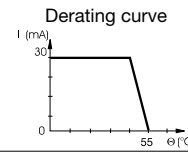
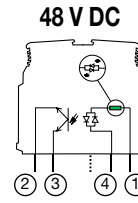
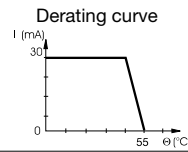
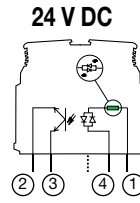
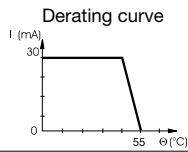
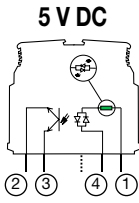
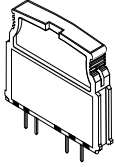


Part numbers

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



Part number

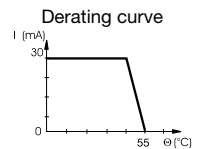
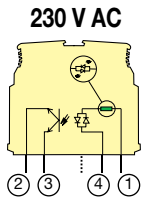
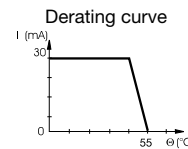
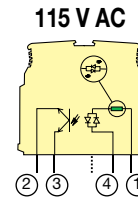
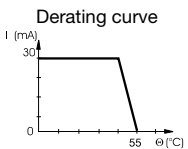
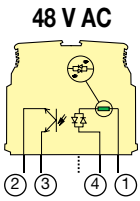
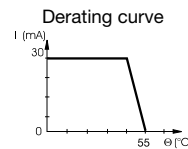
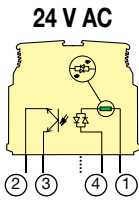
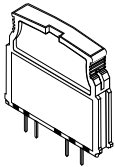
Type	P/N	Type	P/N	Type	P/N	Type	P/N
BNMS T5V-1	0031 831.03	BNMS T24V-1	0031 800.21	BNMS T48V-1	0031 801.16	BNMS T125V-1	0031 845.11

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 Is = 100%		3,5 V	12 V DC	21 V DC	
Switching time		20 µs / 1,3 ms	20 µs / 1,3 ms	20 µs / 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
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

Input optocoupler plugs



Part number

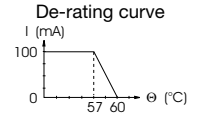
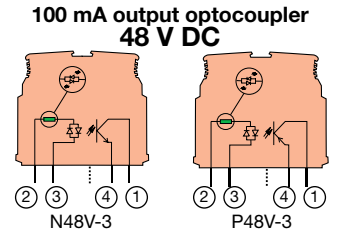
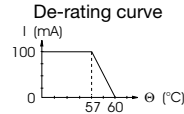
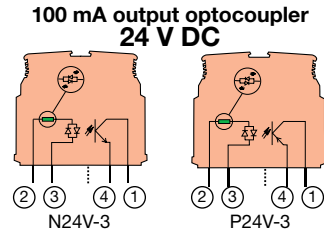
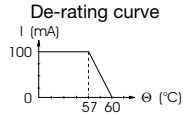
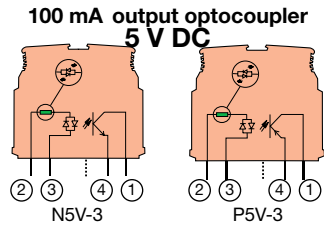
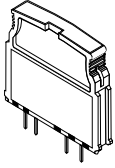
Type	P/N	Type	P/N	Type	P/N	Type	P/N
BNMS T24V-1	0031 802.17	BNMS T48V-1	0031 803.10	BNMS T115V-1	0031 804.11	BNMS T230V-1	0031 805.12

Charateristics

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 Is = 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	2 mA	
OUPUT					
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
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

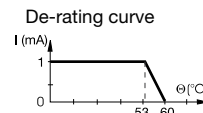
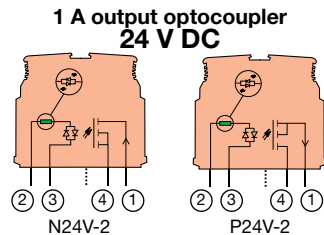
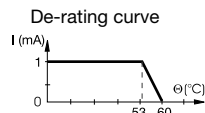
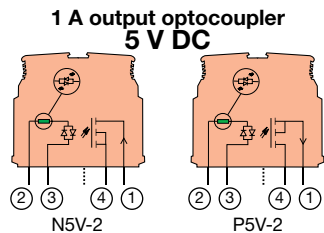
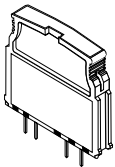
Transistor output optocoupler plugs



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	1 V DC		1 V DC		1 V DC	
standard U	1,3 V DC		1,3 V DC		1,3 V DC	
max.	See Note 1		See Note 1		See Note 1	
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



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	1 V DC		1 V DC	
standard U	1,3 V DC		1,3 V DC	
max.	See Note 1		See Note 1	
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 :

$$F_{max} = (1 - 0,007 \times U_s) / (L \times I_s^2)$$

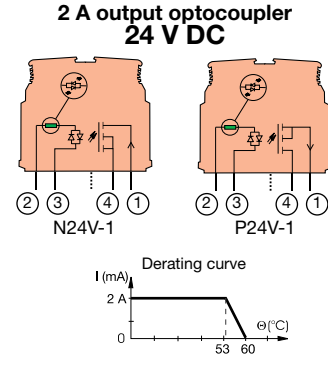
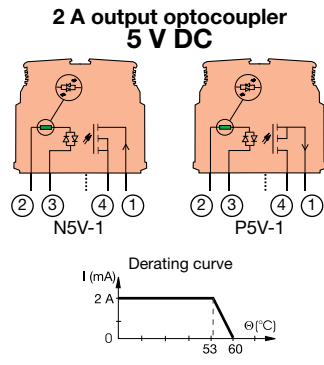
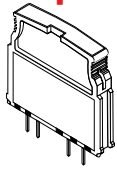
or

$$F_{max} = (1 - 0,007 \times U_s) / (P \times \frac{L}{R})$$

- U_s = Output voltage supply
- I_s = Output current
- L = Inductive load
- P = Load power
- R = Load resistance

interfast MS

MOS output optocoupler plug



Note 2 :
 $F_{max} = (1 - 0,012 \times U_s) / (L \times I_s^2)$
 or
 $F_{max} = (1 - 0,012 \times U_s) / (P \times \frac{L}{R})$

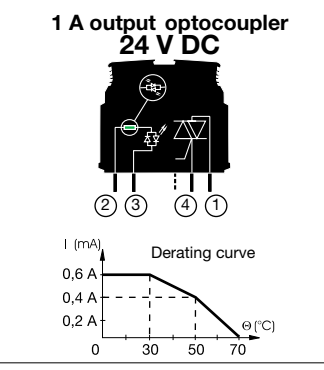
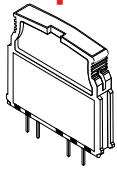
U_s = Output voltage supply
 I_s = Output current
 L = Inductive load
 P = Load power
 R = Load resistance

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

interfast MS

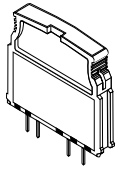
Triac output optocoupler plug



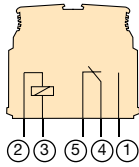
Part numbers	Type	P/N
	BNMS A24V-4	0031 839.13

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	

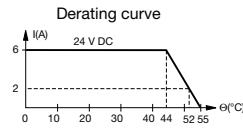
interfast MS Relay plug



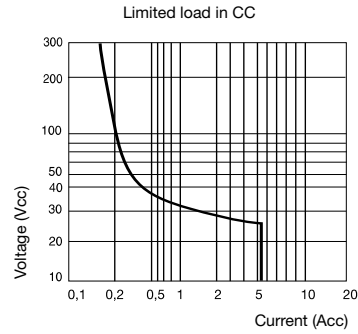
1 SPDT relay



R24V-1

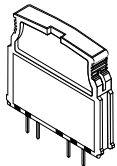


Part numbers	Type	P/N
	BNMS R24V-1	0031 820.14
Characteristics		
COIL		
Voltage	20,4 V to 28,8 V DC	
Current max.	7 mA	
Trip voltage	1,2 V	
CONTACT		
Type	1 SPDT	
Voltage mini. / max.	12 V / 250 V	
Switching current mini. / max.	10 mA / 6 A	
Switching current AC1 mini. / max.	0,6 VA / 1500 VA (resistance)	
Switching current 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 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		
Storage	- 40°C to + 80°C	
Operating	- 20°C to + 55°C	

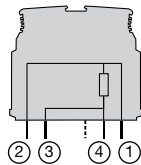


	DC12	AC12	DC13	AC15
24 V	6 A	6 A	1 A	3 A
110/120 V	0,3 A	6 A	0,2 A	3 A
220/230 V	0,2 A	6 A	0,1 A	3 A

interfast MS Analogical plug

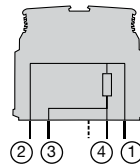


Current / Voltage Converter



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	

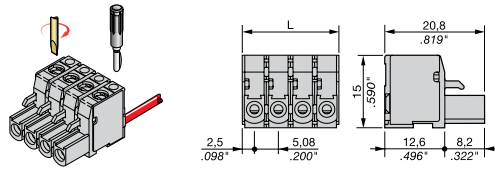
omnicconnect P.C.B. connectors

Screw-clamp connection
Spacing 5.08 mm
Body : UL94 V0



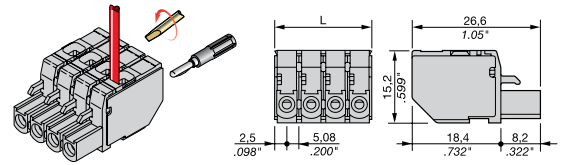
CPFT2 / ...

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

2	CPFT2 / 2	0094 302.21
3	CPFT2 / 3	0094 303.22
4	CPFT2 / 4	0094 304.23
5	CPFT2 / 5	0094 305.24
6	CPFT2 / 6	0094 306.25
7	CPFT2 / 7	0094 307.26
8	CPFT2 / 8	0094 308.07
9	CPFT2 / 9	0094 309.00
10	CPFT2 / 10	0094 310.24
11	CPFT2 / 11	0094 311.11
12	CPFT2 / 12	0094 312.12
13	CPFT2 / 13	0094 313.13
14	CPFT2 / 14	0094 314.14
15	CPFT2 / 15	0094 315.15
16	CPFT2 / 16	0094 316.16
17	CPFT2 / 17	0094 317.17
18	CPFT2 / 18	0094 318.20
19	CPFT2 / 19	0094 319.21
20	CPFT2 / 20	0094 320.26
21	CPFT2 / 21	0094 321.13
22	CPFT2 / 22	0094 322.14
23	CPFT2 / 23	0094 323.15
24	CPFT2 / 24	0094 324.16

Number of poles Type Part number

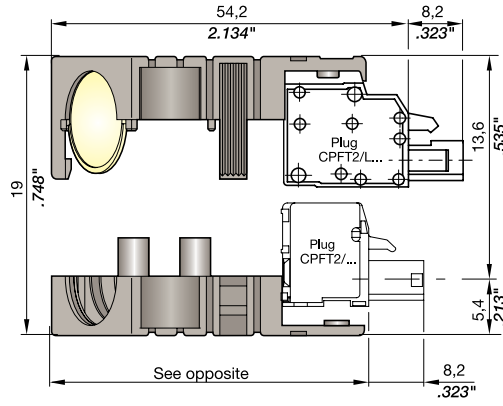
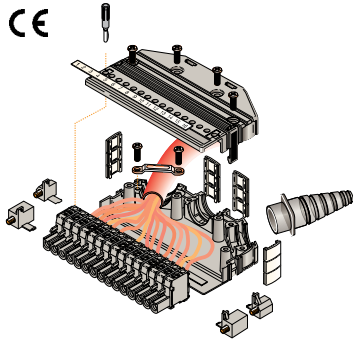
Spacing 5,08 mm .200" black body

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

Housing kits

Spacing 5.08 mm
Body : UL94 V0

CPFIC5 / ... Plug housings



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	

Accessories

	Type	Part number	P/N black	P/N grey
1	Insert sleeve (8 to 24 poles cover)	0177 442.24	0179 518.02	
2	Plastic strap	0179 507.00		
3	Tightening screw	0178 801.06		
4	Tightening flange	0176 192.11		

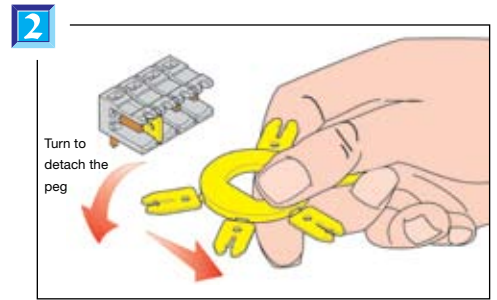
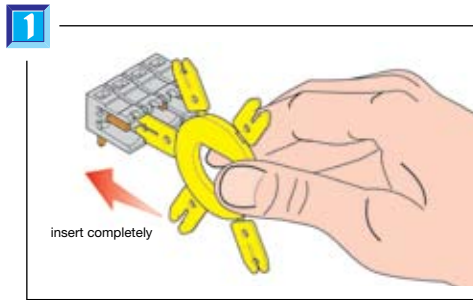
omniconnect CODING ACCESSORIES

Coding peg COPE

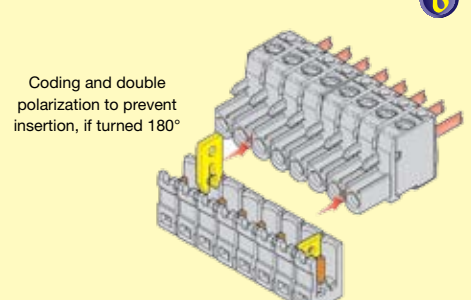
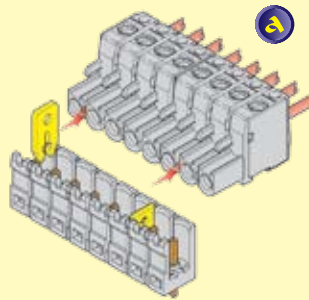
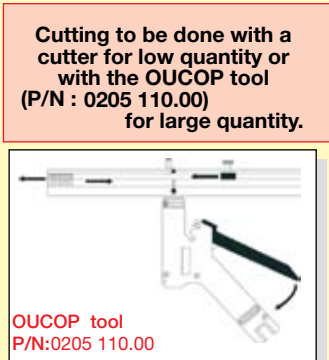
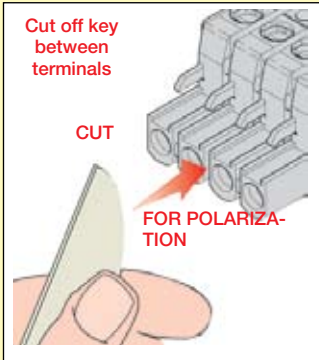
0199 322.22



RECOMMENDED SOLUTION
Efficient system with few parts.

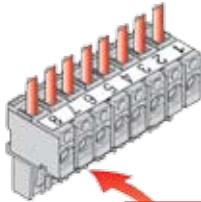


CODING EXAMPLES



The plug of example **a** cannot be mounted on the socket **b** and vice versa

Terminal blocks MA 2,5/5 - CPE...

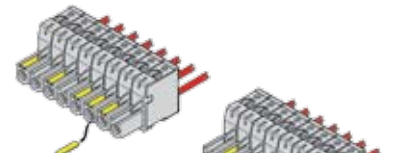


Coding peg for COC1

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.

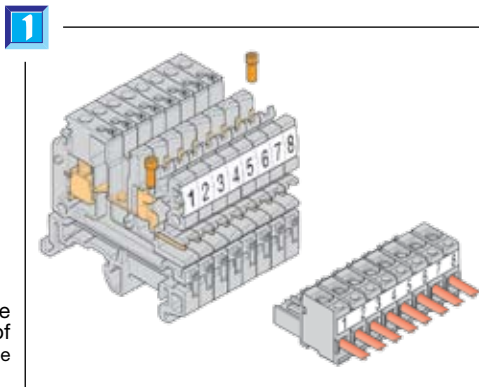
If both outputs are used, coding is highly recommended.

Blocking peg COCF 32

0173 660.16

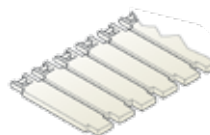


Blocking peg to be mounted on the pins of the unused output (to be ordered separately).

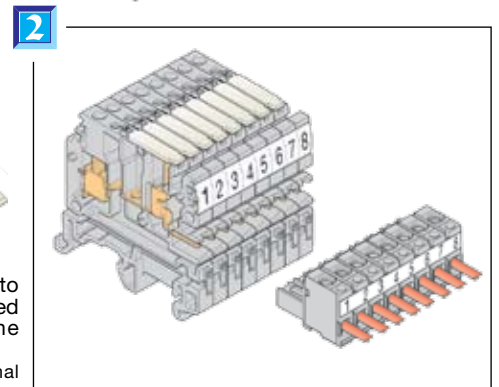


Detachable protection CPF 5,08

0199 323.23



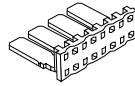
Detachable protection to be mounted on the unused connection part of the plug (supplied with the terminal block).



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

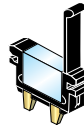
32 V / 2 A	BFMS AUTO	0205 812.24
32 V / 3 A	BFMS AUTO	0205 813.25
32 V / 5 A	BFMS AUTO	0205 814.26



BF5 AUTO

Fuse plugs with extractor

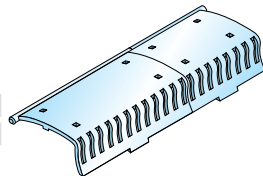
32 V / 2 A	BF5 AUTO	0205 815.27
32 V / 3 A	BF5 AUTO	0205 816.20
32 V / 5 A	BF5 AUTO	0205 817.21



CPMS

Protective cover

12 or 20 poles protective cover	0205 227.01
34 poles protective cover	0206 163.02



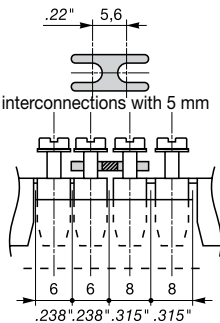
EL

Connector plate

This accessory is used for connecting electrically two assembled interconnections with 5 mm spacing.



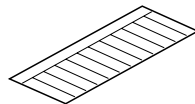
EL6 0173 627.21



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

BJM5	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

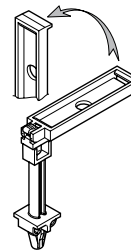
Identification label holders

Designed to hold RPEV label (see opposite).

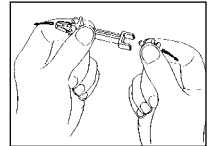
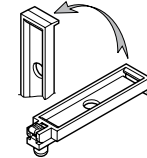
PEF *	0020 568.04
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* Come with labels.

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

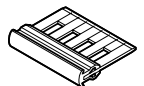
RPEV	0173 178.07
------	-------------



PC2MS

PC2MS shunt

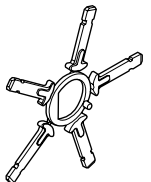
10 poles	0400 169.17
12 poles	0400 215.05
20 poles	0400 170.14
34 poles	0400 171.01



SCMS

Separator

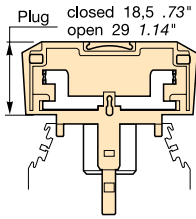
SCMS	0400 172.02
------	-------------



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



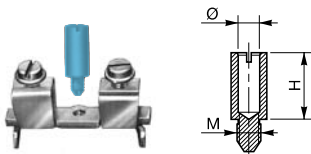
Delivered separately, this bar of treated brass is mounted in the lower part of the terminal block. It ensures the continuity of the shield connection. The connection to the shield connector can be made either by soldering or by 2,8 x 0,5 mm or 2,8 x 0,8 mm quick connect tabs. Notch available for bridging 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

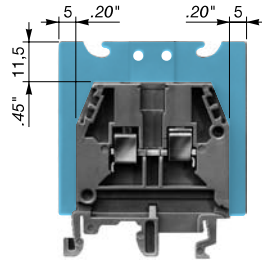
Circuit separator and separator end section

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**

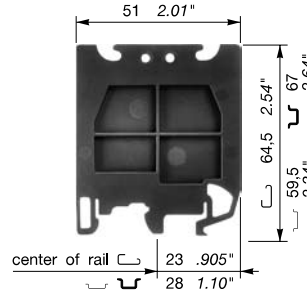
Thickness : 3 mm .118"

SCF6 grey **0118 707.03**

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"

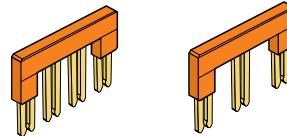
SCFM6 grey **0114 825.05**

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 trouble shooting, 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**

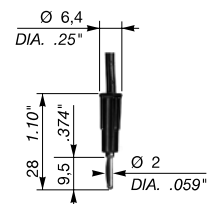


FC

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).

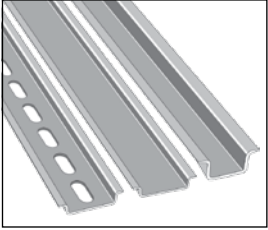
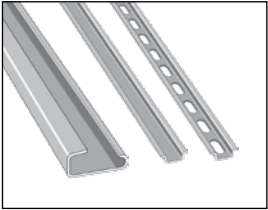
Test plug DIA. 2 mm .079"
(soldered connection : 1 mm² max. - 18 AWG)



FC2 **0007 865.26**

Mounting rails

- Asymmetrical - DIN 1**
- Symmetrical - DIN 2**
- Symmetrical - DIN 3**



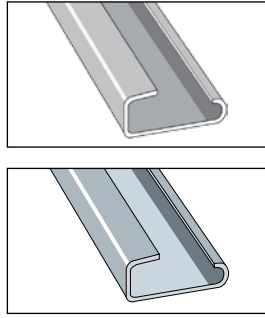
The "Series 5000" terminal blocks snap onto the PR1 asymmetrical DIN 1 rails described here.

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.

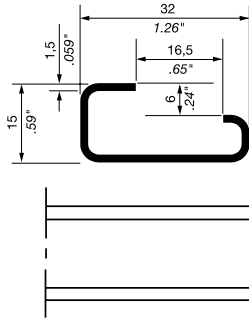
RAIL CURRENT CARRYING CAPACITY

Rail	Material	Current (A)	Wire size AWG	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

TS 32 / TS 32 ALU

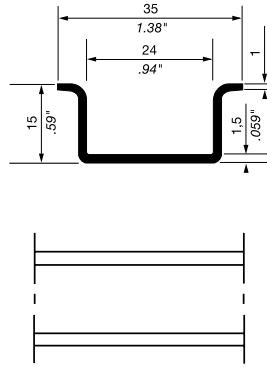
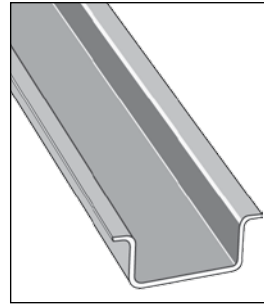


Asymmetrical 32 mm 1.26" G rail in compliance with EN 50035 standard (DIN 46277-1 - NFC 63018) DIN 1



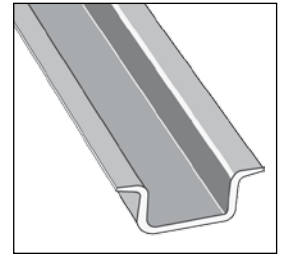
Type	P/N
PR1.Z2 (TS 32)	0163 050.04
White passivated galvanized steel, length 2 m 6'6" (78") approx.	
PR1.A2 (TS 32 ALU)	0167 120.23
Aluminum alloy length 3 m 9'9" (117") approx.	
PR1.Z3	0167 100.00
White passivated galvanized steel, length 3 m 9'9" (117") approx.	

TS 35/C

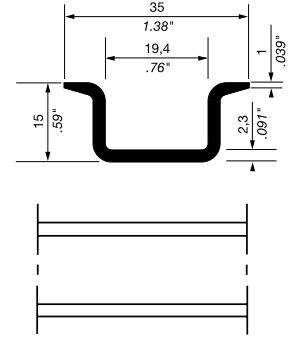


Type	P/N
PR5 (TS 35/C)	0168 700.22
White passivated galvanized steel, length 2 m 6'6" (78") approx.	

TS 35/C1



rail in compliance with EN 50022 (NFC 63015) DIN 3

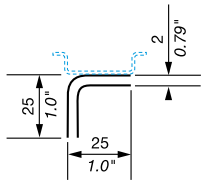


Type	P/N
PR4 (TS 35/C1)	0168 500.12
White passivated galvanized steel, length 2 m 6'6" (78") approx.	

EM

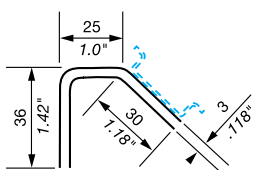
Rail offset brackets

These accessories are available with all rail describes on this page.



Deflection 90°

EM90 0008 520.01



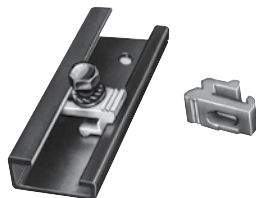
Deflection 45°

EM45 0008 521.26

FX

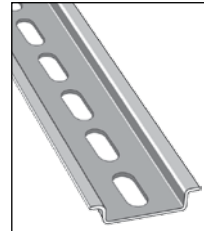
Mounting nuts

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.

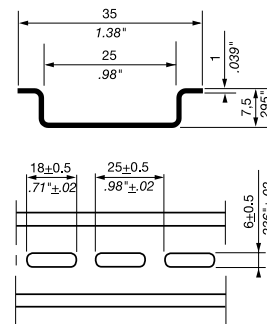


Thread	Colour	Type	Part number
M4-M6	white	FX M4/M6	0163 215.22
M6-M4	grey	FX M6/M4	0163 910.27
M3-M5	yellow	FX M3/M5	0163 811.10
M5-M3	black	FX M5/M3	0163 911.14
M4	blue	FX M4	0163 912.15
M3	green	FX M3	0163 913.16

TS 35/F6

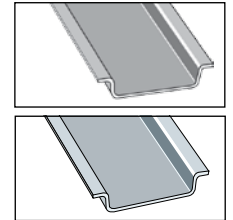


In compliance with EN 50022 standard (DIN 46277-3 - NFC 63015) DIN 3

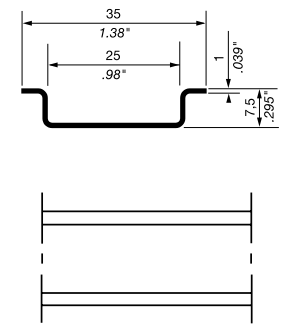


Type	P/N
PR30 (TS 35/F6)	0173 220.05
White passivated galvanized steel, prepunched length 2 m 6'6" (78") approx. The length and prepunched cut out dimensions are approximate.	

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

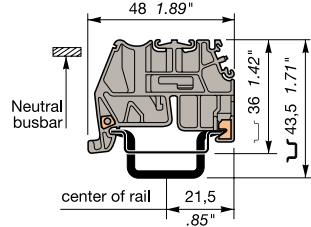
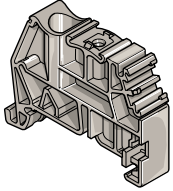
BADL

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

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

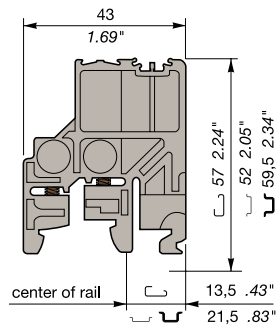
Thickness : 9,1 mm .358"

BAMH

0114 836.00

BAMH V0

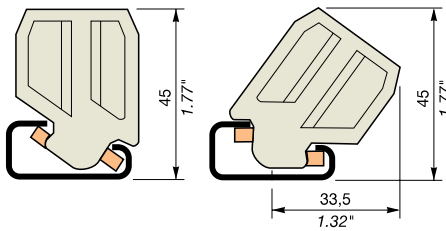
0194 836.01



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

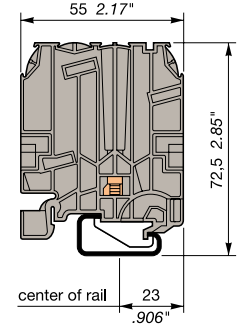
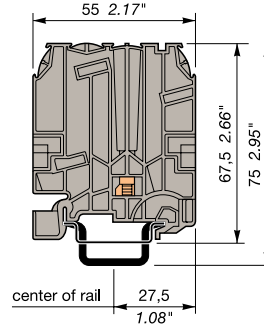
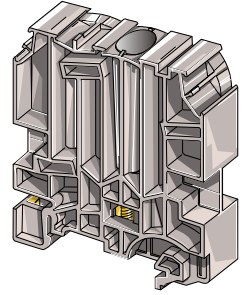
Tall end stop of polyamide, for use with M 70/22, M 95/26 blocks, power blocks, double or triple deck blocks, and electronic interface modules series 7000, 8000, 10000, 11000 and 30000. Snaps on rail - Easy mounting and repositioning, even between 2 blocks.

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

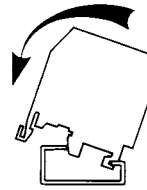
BAEH beige

0196 934.05

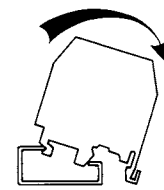
Terminal blocks mounting

on PR1 rail

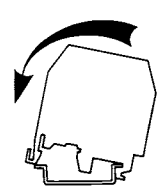
on PR3, PR30, PR4, PR5 rail



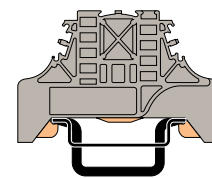
To be mounted vertically



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

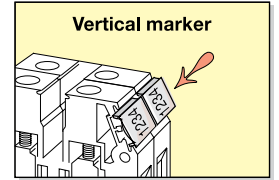
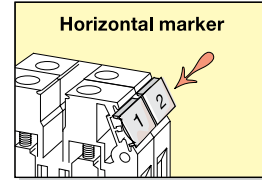
beige V0 BAM2 V0 10 mm

0296 351.00

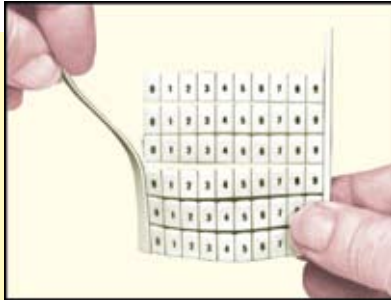
RC Standard marker cards

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.

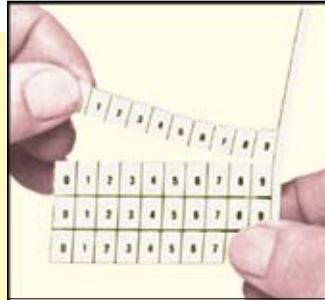


How to use



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.

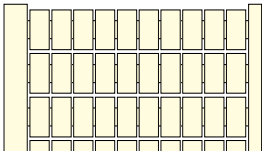
Marker sizes

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

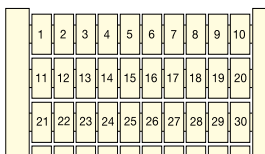
Blank marker cards



RC55	RC510
0230 000.12	0231 000.07

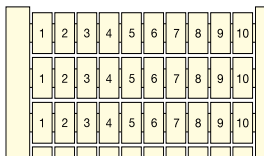
Horizontal marking of numbers

Horizontal marking
Increasing order



	RC55	RC510
1 → 100	0230 030.07	0231 030.24
101 → 200	0230 031.24	0231 031.11
201 → 300	0230 032.25	0231 032.12
301 → 400	0230 033.26	0231 033.13
401 → 500	0230 034.27	0231 034.14
501 → 600	0230 035.20	0231 035.15
601 → 700	0230 036.21	0231 036.16
701 → 800	0230 037.22	0231 037.17
801 → 900	0230 038.03	0231 038.20
901 → 1000	0230 039.04	0231 039.21
1001 → ...	0230 071.04	0231 071.21

Horizontal marking Repeated increasing order 10 times

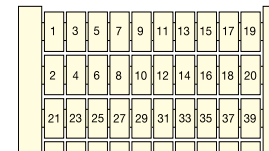


0 → 9
1 → 10
11 → 20
21 → 30
31 → 40
41 → 50
51 → 60
61 → 70
71 → 80
81 → 90
91 → 100
101 → 110
111 → 120
121 → 130
131 → 140
141 → 150
151 → 160
161 → 170
171 → 180
181 → 190
191 → 200
201 → ...
... → 999

RC55	RC510
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

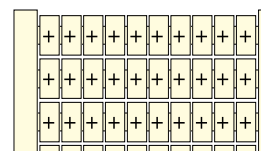
Horizontal marking
Alternate even/odd numbered for 2 deck block M 4/6.D



	RC55	RC510
1 → 20	0232 133.15	0233 133.16
21 → 40	0232 134.16	0233 134.17
41 → 60	0232 135.17	0233 135.10
61 → 80	0232 136.10	0233 136.11
81 → 100	0232 137.11	0233 137.12

Horizontal marking of conventional symbols

Horizontal marking
Repeated identical symbols

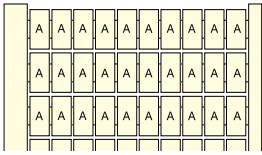


	RC55	RC510
100 x +	0230 111.21	0231 111.16
100 x -	0230 112.22	0231 112.17
100 x ~	0230 114.24	0231 114.11
100 x =	0230 113.23	0231 113.10
100 x x	0230 115.25	0231 115.12

* Part number identical for each group of numbers - On request indicate marking

Horizontal marking of letters

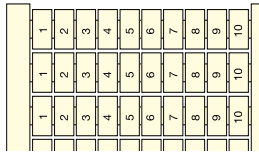
Horizontal marking
Repeated identical letters



	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.



Alphanumeric

Summary

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