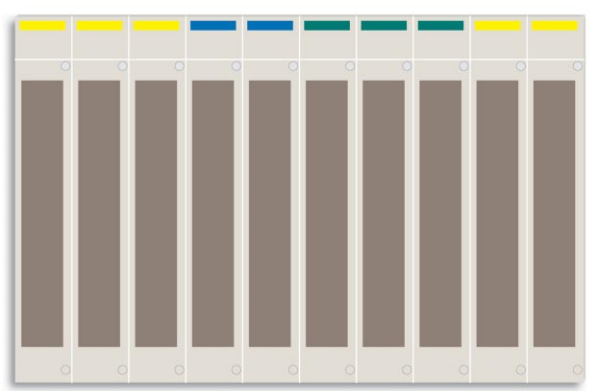
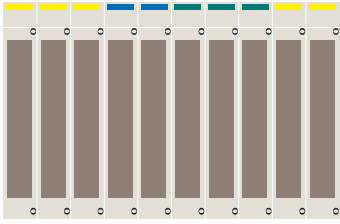


Cable connections to AEG/Modicon PLCs



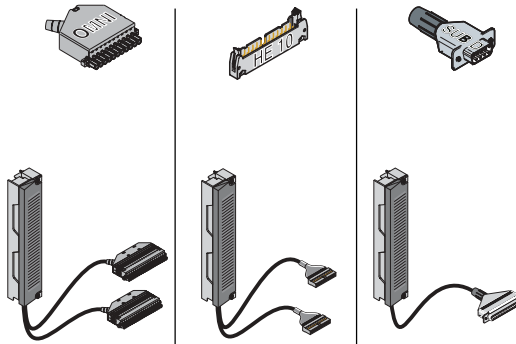
CONNECTION TECHNOLOGY SELECTION GUIDE

AEG Modicon PLC Quantum

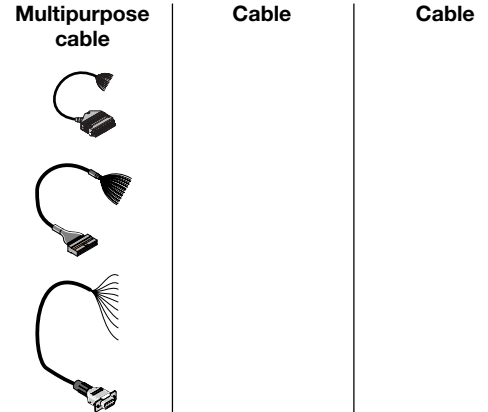


To order UL and CSA certified Interfast cables, see the column titled "Reference with UL cables" on the following pages. UL and CSA cable part numbers are identical.

interfast 2 Swing arm pre-wired by ENTRELEC



interfast 3 PLC used has a connector by ENTRELEC



Characteristics

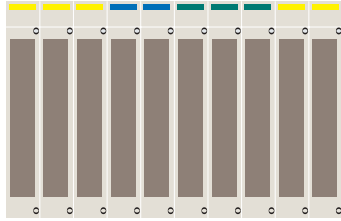
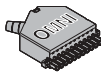
Maximum current per point	2 A	1 A	1 A	See section on	
Max. voltage	250 V	60 V	60 V	Cables	
Connector size	0,34 mm ² 22 AWG	0,34 mm ² 22 AWG	0,34 mm ² 22 AWG		

References

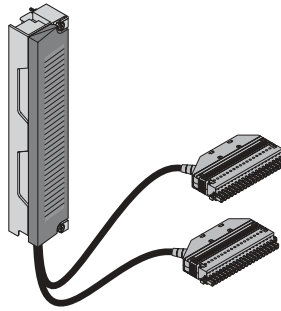
	Page	Page	Page		
Boards 32 I DIGITAL					
140 DAI 55300	883				
140 DDI 35300	883	887			
140 DDI 85300	883	887			
140 DDI 15310	883	887			
140 DAI 35300	883	887			
140 DAI 45300	883	887			
Boards 32 O DIGITAL					
140 DDO 35300	883	887			
Boards 24 I DIGITAL					
140 DDI 67300	883				
Boards 16 I DIGITAL					
140 DAI 54000	883				
140 DAI 74000	883				
140 DDI 84100	883				
140 DAI 54300	883				
140 DAI 34000	883	887			
140 DAI 44000	883	887			
Boards 16 O DIGITAL					
140 DAO 84000	883				
140 DRA 84000	883				
140 DAO 84210	884				
140 DAO 84220	884				
140 DDO 84300	883	887			
Boards 12 O DIGITAL					
140 DDO 88500	884				
Boards 8 O DIGITAL					
140 DRC 83000	885				
Boards 8 I ANA					
140 ACI 03000	886		888		
140 AVI 03000	886		888		
140 ARI 03000	886		888		
Boards 4 O ANA					
140 ACO 02000	886		888		
140 AVO 02000	886		888		
Boards 16 I / 8 O DIGITAL					
140 DDM 39000	884				
140 DAM 59000	884				

interfast 2

AEG PLC Quantum
Swing arm with cable and
Omniconnect connectors



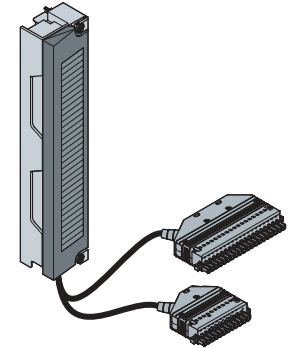
Board 32 I DIGITAL Board 32 O DIGITAL



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface
Boards 32 I DIGITAL		
140 DAI 55300	2 6	
140 DDI 35300	2 3 6 7	16 opto
140 DDI 85300	2 3 6 7	16 opto ⁽¹⁾
140 DAI 35300	2 6	
140 DDI 15310	2 6	
140 DAI 45300	2 6	
Boards 32 O DIGITAL		
140 DDO 35300	2 3 6 7	16 Relays / 16 Opto

Board 24 I DIGITAL



Type of board	Connector interface	Decoupling interface
Boards 24 I DIGITAL		
140 DDI 67300	0 and 2	

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

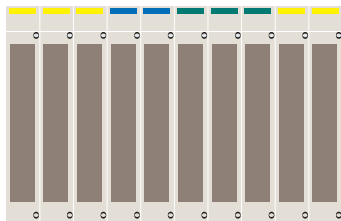
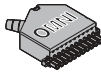
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/Quantum/2xOMN20/001	0029 996.17	0034 996.04			
1,5 m	FA150/Quantum/2xOMN20/001	0021 526.07	0027 526.05	FA150/Quantum/OMN20+OMN12/414	0029 602.04	0034 602.21
2 m	FA200/Quantum/2xOMN20/001	0021 527.00	0027 527.06	FA200/Quantum/OMN20+OMN12/414	0029 603.05	0034 603.22
2,5 m	FA250/Quantum/2xOMN20/001	0021 528.11	0027 528.17	FA250/Quantum/OMN20+OMN12/414	0029 604.06	0034 604.23
3 m	FA300/Quantum/2xOMN20/001	0021 529.12	0027 529.10	FA300/Quantum/OMN20+OMN12/414	0029 605.07	0034 605.24
4 m	FA400/Quantum/2xOMN20/001	0021 530.17	0027 530.15	FA400/Quantum/OMN20+OMN12/414	0029 606.00	0034 606.25
5 m	FA500/Quantum/2xOMN20/001	0021 531.04	0027 531.02	FA500/Quantum/OMN20+OMN12/414	0029 607.01	0034 607.26

Characteristics

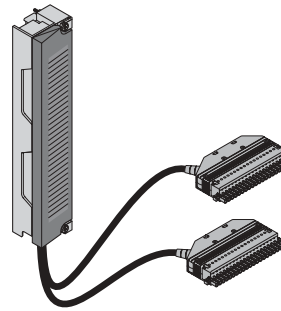
Type of interface connector	2 Omniconnect 20 points	1 Omniconnect 20 points + 1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	140 XTS 00200	140 XTS 00200

interfast 2

AEG PLC Quantum
Swing arm with cable and
Omniconnect connectors



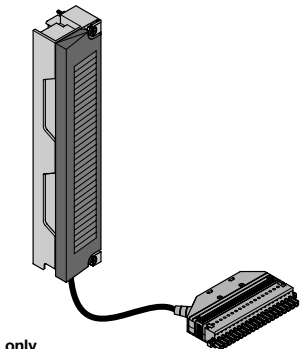
Board 16 I DIGITAL Board 16 O DIGITAL



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL		
140 DAI 54000	2 6	
140 DAI 74000	2 6	
140 DDI 84100	2 6	
140 DAI 34000	2 6	
140 DAI 44000	2 6	
Boards 16 O DIGITAL		
140 DAO 84000	2 6	
140 DRA 84000	2 6	

Board 16 I DIGITAL Board 16 O DIGITAL



Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL		
140 DAI 54300	2	
Boards 16 O DIGITAL		
140 DDO 84300	2 3	16 Relays ⁽¹⁾ / 16 Opto ⁽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*

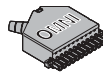
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/Quantum/2xOMN20/001	0029 996.17	0034 996.04			
1,5 m	FA150/Quantum/2xOMN20/001	0021 526.07	0027 526.05	FA150/Quantum/OMN20/003	0021 538.13	0027 538.11
2 m	FA200/Quantum/2xOMN20/001	0021 527.00	0027 527.06	FA200/Quantum/OMN20/003	0021 539.14	0027 539.12
2,5 m	FA250/Quantum/2xOMN20/001	0021 528.11	0027 528.17	FA250/Quantum/OMN20/003	0021 540.21	0027 540.27
3 m	FA300/Quantum/2xOMN20/001	0021 529.12	0027 529.10	FA300/Quantum/OMN20/003	0021 541.16	0027 541.14
4 m	FA400/Quantum/2xOMN20/001	0021 530.17	0027 530.15	FA400/Quantum/OMN20/003	0021 542.17	0027 542.15
5 m	FA500/Quantum/2xOMN20/001	0021 531.04	0027 531.02	FA500/Quantum/OMN20/003	0021 543.10	0027 543.16

Characteristics

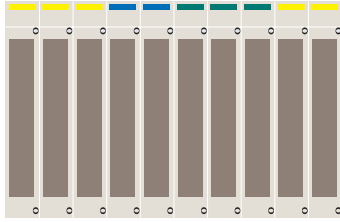
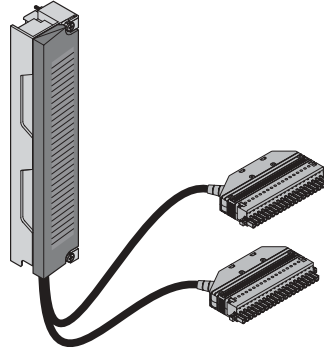
Type of interface connector	2 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	140 XTS 00200	140 XTS 00200

interfast 2

**AEG PLC Quantum
Swing arm with cable and
Omniconnect connectors**



Board 8 O DIGITAL



■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

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

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Quantum/2xOMN20/004	0021 544.11	0027 544.17			
2 m	FA200/Quantum/2xOMN20/004	0021 545.12	0027 545.10			
2,5 m	FA250/Quantum/2xOMN20/004	0021 546.13	0027 546.11			
3 m	FA300/Quantum/2xOMN20/004	0021 547.14	0027 547.12			
4 m	FA400/Quantum/2xOMN20/004	0021 548.25	0027 548.23			
5 m	FA500/Quantum/2xOMN20/004	0021 549.26	0027 549.24			

Characteristics

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

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

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

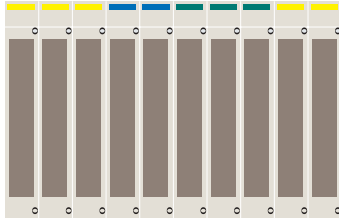
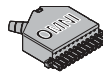
*Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO*

Characteristics

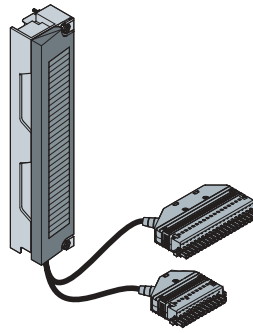
Type of interface connector	
Wire size	
Resistance/capacity cable	
PLC connector reference	

interfast 2

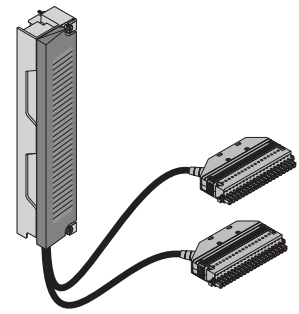
**AEG PLC Quantum
Swing arm with cable and
Omniconnect connector.**



Board 8 I ANA



Board 8 I ANA Board 4 O ANA



■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA			Boards 8 I ANA		
140 ACI 03000	0 2		140 ARI 03000	2	
140 AVI 03000	0 2		Board 4 O ANA		
			140 AVO 02000	2	

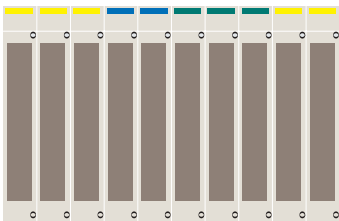
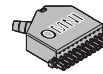
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Quantum/OMN20+OMN12/571	0036 534.06	0037 534.07	FA150/Quantum/2xOMN20/572	0036 540.20	0037 540.21
2 m	FA200/Quantum/OMN20+OMN12/571	0036 535.07	0037 535.00	FA200/Quantum/2xOMN20/572	0036 541.15	0037 541.16
2,5 m	FA250/Quantum/OMN20+OMN12/571	0036 536.00	0037 536.01	FA250/Quantum/2xOMN20/572	0036 542.16	0037 542.17
3 m	FA300/Quantum/OMN20+OMN12/571	0036 537.01	0037 537.02	FA300/Quantum/2xOMN20/572	0036 543.17	0037 543.10
4 m	FA400/Quantum/OMN20+OMN12/571	0036 538.12	0037 538.13	FA400/Quantum/2xOMN20/572	0036 544.10	0037 544.11
5 m	FA500/Quantum/OMN20+OMN12/571	0036 539.13	0037 539.14	FA500/Quantum/2xOMN20/572	0036 545.11	0037 545.12

Characteristics

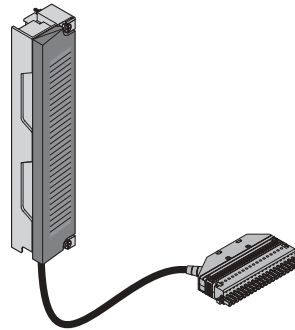
Type of interface connector	1 Omniconnect 20 pts and 1 Omniconnect 12 points	2 Omniconnect 20 points
Wire size	0,34 mm ² - 22 AWG	0,34 mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	140 XTS 00200	140 XTS 00200

interfast 2

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



Board 4 O ANA



■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 O ANA					
140 ACO 02000	2				

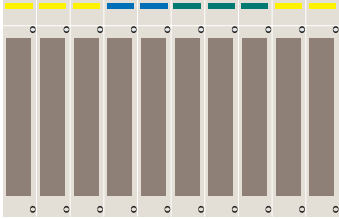
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Quantum/OMN20/570	0036 528.10	0037 528.11			
2 m	FA200/Quantum/OMN20/570	0036 529.11	0037 529.12			
2,5 m	FA250/Quantum/OMN20/570	0036 530.16	0037 530.17			
3 m	FA300/Quantum/OMN20/570	0036 531.03	0037 531.04			
4 m	FA400/Quantum/OMN20/570	0036 532.04	0037 532.05			
5 m	FA500/Quantum/OMN20/570	0036 533.05	0037 533.06			

Characteristics

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

interfast 2

**AEG PLC Quantum
Swing arm with cable and
HE 10/26 connectors**



■ Wire markers optional:
Consult us

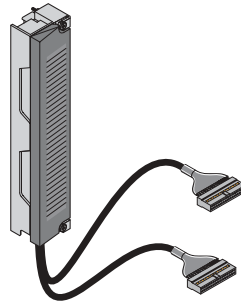
■ Accessories:
see section on ACCESSORIES

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

Characteristics

Type of interface connector	2 HE 10/26 points	2 HE 10/26 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	140 XTS 00200	140 XTS 00200

Board 32 I DIGITAL Board 32 O DIGITAL



⁽¹⁾ For 24 VDC only

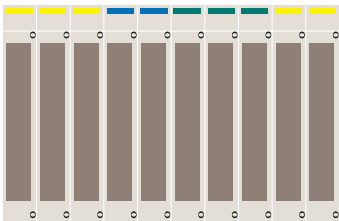
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 32 I DIGITAL			Boards 16 I DIGITAL		
140 DDI 35300	8 9 10 12	16 Opto	140 DAI 34000	8 10	
140 DDI 85300	8 9 10 12	16 Opto ⁽¹⁾	140 DAI 44000	8 10	
140 DAI 35300	8 10				
140 DDI 15310	8 10				
140 DAI 45300	8 10				
Boards 32O DIGITAL					
140 DDO 35300	8 9 10 12	16 Relays / 16 Opto			

⁽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/Quantum/2xHE10.26/011	0021 580.12	0027 580.10	FA150/Quantum/2xHE10.26/011	0021 580.12	0027 580.10
2 m	FA200/Quantum/2xHE10.26/011	0021 581.07	0027 581.05	FA200/Quantum/2xHE10.26/011	0021 581.07	0027 581.05
2,5 m	FA250/Quantum/2xHE10.26/011	0021 582.00	0027 582.06	FA250/Quantum/2xHE10.26/011	0021 582.00	0027 582.06
3 m	FA300/Quantum/2xHE10.26/011	0021 583.01	0027 583.07	FA300/Quantum/2xHE10.26/011	0021 583.01	0027 583.07
4 m	FA400/Quantum/2xHE10.26/011	0021 584.02	0027 584.00	FA400/Quantum/2xHE10.26/011	0021 584.02	0027 584.00
5 m	FA500/Quantum/2xHE10.26/011	0021 585.03	0027 585.01	FA500/Quantum/2xHE10.26/011	0021 585.03	0027 585.01

interfast 2

**AEG PLC Quantum
Swing arm with cable and
HE 10/26 connectors**



■ Wire markers optional:
Consult us

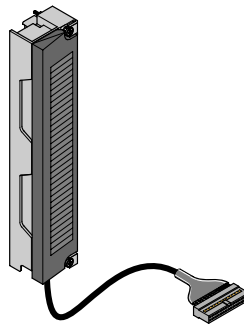
■ Accessories:
see section on ACCESSORIES

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

Characteristics

Type of interface connector	1 HE 10/26 points
Wire size	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM
PLC connector reference	140 XTS 00200

Board 16 O DIGITAL



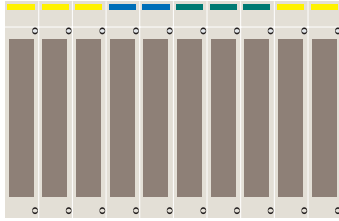
⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGITAL					
140 DDO 84300	8 9	16 Relays ⁽¹⁾ / 16 Opto ⁽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/Quantum/HE10.26/010	0021 574.17	0027 574.15			
2 m	FA200/Quantum/HE10.26/010	0021 575.10	0027 575.16			
2,5 m	FA250/Quantum/HE10.26/010	0021 576.11	0027 576.17			
3 m	FA300/Quantum/HE10.26/010	0021 577.12	0027 577.10			
4 m	FA400/Quantum/HE10.26/010	0021 578.23	0027 578.21			
5 m	FA500/Quantum/HE10.26/010	0021 579.24	0027 579.22			

interfast 2

**AEG PLC Quantum
Swing arm with cable and
Sub D connector**



■ Wire markers optional:
Consult us

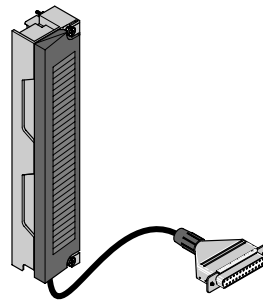
■ Accessories:
see section on ACCESSORIES

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

Characteristics

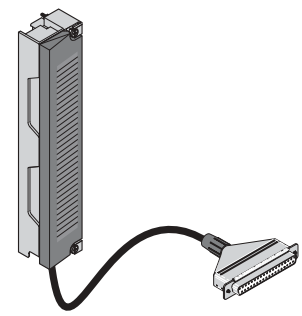
Type of interface connector	1 SubD 25 female points	1 SubD 37 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	140 XTS 00200	140 XTS 00200

Board 8 I ANA



Type of board	Connector interface	Decoupling interface
Boards 8 I ANA		
140 ACI 03000	SubD 25	
140 AVI 03000	SubD 25	

Board 8 I ANA

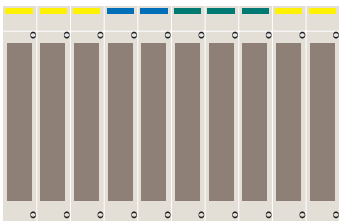


Type of board	Connector interface	Decoupling interface
Boards 8 I ANA		
140 ARI 03000	SubD 37	

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 25/005	0021 550.23	0027 550.21	FA150/Quantum/SubD 37/009	0021 568.21	0027 568.27
2 m	FA200/Quantum/SubD 25/005	0021 551.10	0027 551.16	FA200/Quantum/SubD 37/009	0021 569.22	0027 569.20
2,5 m	FA250/Quantum/SubD 25/005	0021 552.11	0027 552.17	FA250/Quantum/SubD 37/009	0021 570.27	0027 570.25
3 m	FA300/Quantum/SubD 25/005	0021 553.12	0027 553.10	FA300/Quantum/SubD 37/009	0021 571.14	0027 571.12
4 m	FA400/Quantum/SubD 25/005	0021 554.13	0027 554.11	FA400/Quantum/SubD 37/009	0021 572.15	0027 572.13
5 m	FA500/Quantum/SubD 25/005	0021 555.14	0027 555.12	FA500/Quantum/SubD 37/009	0021 573.16	0027 573.14

interfast 2

**AEG PLC Quantum
Swing arm with cable and
Sub D connector**



■ Wire markers optional:
Consult us

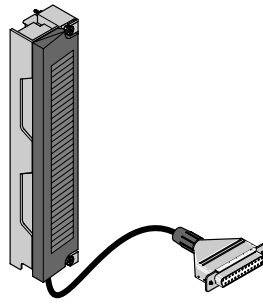
■ Accessories:
see section on ACCESSORIES

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

Characteristics

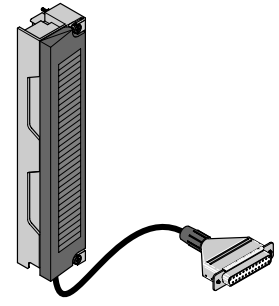
Type of interface connector	1 SubD 25 female points	1 SubD 37 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	140 XTS 00200	140 XTS 00200

Board 4 O ANA



Type of board	Connector interface	Decoupling interface
Boards 4 O ANA		
140 ACO 02000	SubD 25	

Board 4 O ANA



Type of board	Connector interface	Decoupling interface
Boards 4 O ANA		
140 AVO 02000	SubD 37	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Quantum/SubD 25/007	0021 556.15	0027 556.13	FA150/Quantum/SubD 37/008	0021 562.13	0027 562.11
2 m	FA200/Quantum/SubD 25/007	0021 557.16	0027 557.14	FA200/Quantum/SubD 37/008	0021 563.14	0027 563.12
2,5 m	FA250/Quantum/SubD 25/007	0021 558.27	0027 558.25	FA250/Quantum/SubD 37/008	0021 564.15	0027 564.13
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	FA400/Quantum/SubD 25/007	0021 560.25	0027 560.23	FA400/Quantum/SubD 37/008	0021 566.17	0027 566.15
5 m	FA500/Quantum/SubD 25/007	0021 561.12	0027 561.10	FA500/Quantum/SubD 37/008	0021 567.10	0027 567.16