

Prewired swing arms



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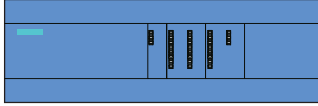
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CONNECTION TECHNOLOGY SELECTION GUIDE

ABB AC31



Multipurpose cable

See chapter
"Connection cables"



interfast 2

Swing arm pre-wired by ENTRELEC

HDI High density range



STI standard range



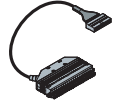
Sub D range Shielded cable



interfast 3

PLC used has a connector on the card

STI range cable

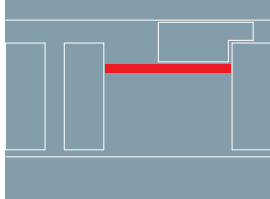


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interfast 3

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

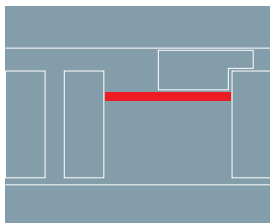
⁽¹⁾ Do not connect the ground wire
⁽²⁾ Interfast MS only

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

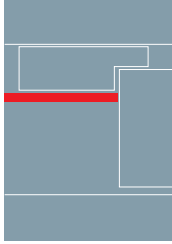
⁽¹⁾ Do not connect the ground wire
⁽²⁾ Interfast MS only

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
Omniconnect connector.



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■ Wire markers optional:
Consult us

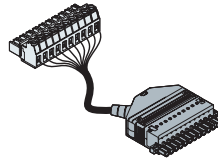
■ Accessories:
see section on ACCESSORIES

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

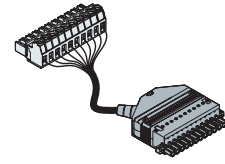
Characteristics

Type of 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 10 poles			1 Plug 10 poles		

XI16E1 extension



Channels 1 to 8



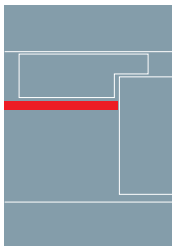
Channels 9 to 16

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
Omniconnect connector.



■ Wire markers optional:
Consult us

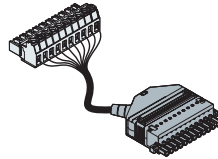
■ Accessories:
see section on ACCESSORIES

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

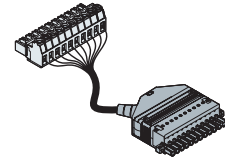
Characteristics

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 10 poles			1 Plug 10 poles		

XO16N1 extension



Channels 1 to 8



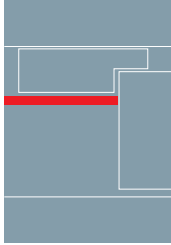
Channels 9 to 16

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

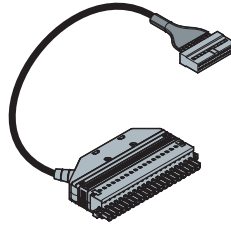
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	LA150/AC31-ABB/OMN12/637	0036 923.04	0037 923.05	LA150/AC31-ABB/OMN12/638	0036 929.12	0037 929.13
2 m	LA200/AC31-ABB/OMN12/637	0036 924.05	0037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

interfast 3

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



XC 32 L1 extension XC 32 L2 extension



⁽¹⁾ Note: 2 cables per Module

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

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

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

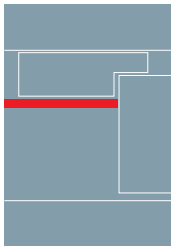
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LA100/HE10-20/OMN20/661		0039 000.02			
1,5 m	LA150/HE10-20/OMN20/661		0039 001.27			
2 m	LA200/HE10-20/OMN20/661		0039 002.20			
2,5 m						
3 m	LA300/HE10-20/OMN20/661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

Characteristics

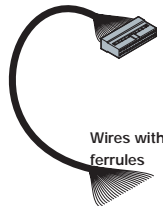
Type of connector	1 Omniconnect 20 points
Wire size	0,14mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM
PLC connector interface	1 HE 10/20 points

interfast 3

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



XC 32 L1 extension XC 32 L2 extension



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

⁽¹⁾ Note: 2 cables per Module

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

■ Wire markers optional:
 Consult us

■ Accessories:
 see section on ACCESSORIES

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

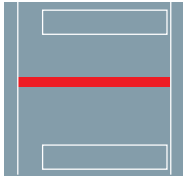
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LAF100/HE10-20/UNI/662		0039 007.06			
1,5 m	LAF150/HE10-20/UNI/662		0039 008.25			
2 m	LAF200/HE10-20/UNI/662		0039 009.06			
2,5 m						
3 m	LAF300/HE10-20/UNI/662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

Characteristics

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

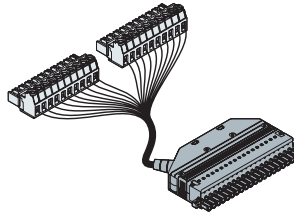
interfast 3

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

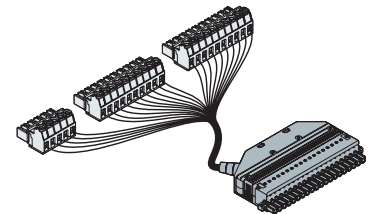


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Series 90 Module 07 DC 92



Channels 1 to 16



Channels 17 to 32

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

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

Characteristics

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

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

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

Characteristics

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

CONNECTION TECHNOLOGY SELECTION GUIDE

ABB S800

interfast 2

Swing arm pre-wired by ENTRELEC

interfast 3

PLC used has a connector on the card

HDI High density range



STI standard range



Sub D range Shielded cable



HDI range cable



STI range cable



Multipurpose cable

Multipurpose cable

See chapter "Connection cables"



References

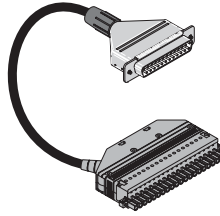
					See page	See page
Boards 16 I DIGITAL						
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Pulse counter boards						
DP 820						

interfast 3

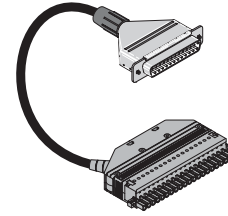
ABB S800 I/O board with built-in connector.
Cables with connector to omniconnect



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	2 3	16 opto P	DO 810	2 3	16 relays N /16 opto N
DI 811	2		DO 814	2	16 relays P /16 opto P
DI 814	2	16 opto N/P	Boards Pulse Counter		
DI 830	2 3	16 opto P	DP 820	2	
DI 831	2				
Boards 8 I DIGITAL					
DI 885	2				

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

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

Characteristics

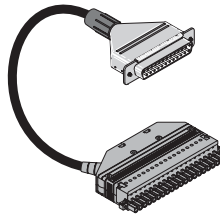
Type of interface connector	1 omniconnect 20 points	1 omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector interface	1 Sub D 25 points female	1 Sub D 25 points female

interfast 3

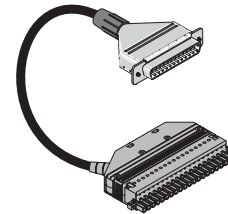
ABB S800 I/O board with built-in connector.
Cables with connector to omniconnect



Boards 8 I ANA Boards 8 O ANA



Boards 4 I ANA Boards 4 O ANA



Note : To be used with TU 812 socket

Note : To be used with TU 812 socket

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

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

Characteristics

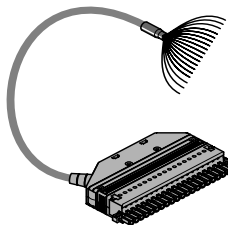
Type of interface connector	1 omniconnect 20 points	1 omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector interface	1 Sub D 25 points female	1 Sub D 25 points female

interfast 3

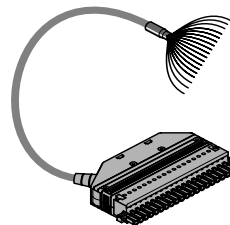


ABB S800 I/O board with built-in connector. Multipurpose cable with connector to omniconnect

Boards 16 I DIGITAL Boards 16 O DIGITAL



Boards 8 I DIGITAL



Color code

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

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

■ Wire markers optional: Consult us

■ Accessories: see section on ACCESSORIES

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

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

Characteristics

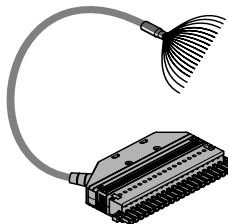
Type of connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 22 AWG	0,22mm ² - 22 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
Max. current/Max. voltage	2 A / 250 V	2 A / 250 V

interfast 3

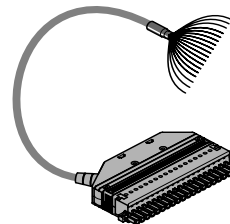


ABB S800 I/O board with built-in connector. Multipurpose cable with connector to omniconnect

Boards 8 O DIGITAL



Boards 8 I ANA Boards 8 O ANA



Color code

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

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

■ Wire markers optional: Consult us

■ Accessories: see section on ACCESSORIES

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

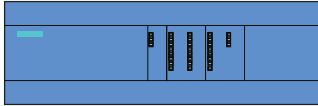
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LAF100/UNI/OMN20/666	0038 036.10	XUSI02586	LAF100/UNI/OMN20/666	0038 036.10	XUSI02586
1,5 m	LAF150/UNI/OMN20/666	0038 037.11	XUSI02587	LAF150/UNI/OMN20/666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

Characteristics

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

CONNECTION TECHNOLOGY SELECTION GUIDE

SIEMENS S7 200



interfast 2

Swing arm pre-wired by ENTRELEC

HDI High density range



STI standard range



Sub D range Shielded cable



interfast 3

PLC used has a connector on the card

HDI range cable



STI range cable

Multipurpose cable



Multipurpose cable

See chapter
"Connection cables"

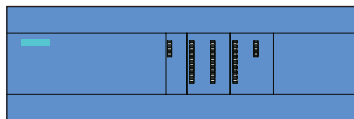


References

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

interfast 3

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



■ Wire markers optional:
Consult us

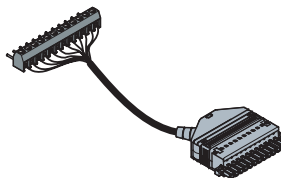
■ Accessories:
see section on ACCESSORIES

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

Characteristics

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

CPU 221 CC CPU 222 CC INPUT

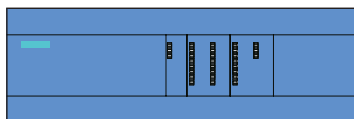


Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8I DIGITAL					
6ES7211-0AA22-0XB0	0				
6ES7212-1AB22-0XB0	0				

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

interfast 3

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



■ Wire markers optional:
Consult us

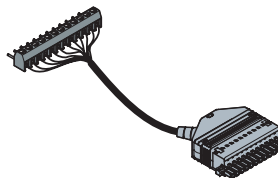
■ Accessories:
see section on ACCESSORIES

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

Characteristics

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

CPU 221 CC CPU 222 CC OUTPUT



WITH CONNECTOR INTERFACE

WITH DECOUPLING INTERFACE

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

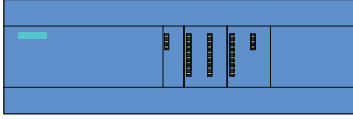
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 6O DIGITAL			Boards 6O DIGITAL		
6ES7211-0AA22-0XB0	0		6ES7211-0AA22-0XB0	0	8 Relays N / 8 Opto N
6ES7212-1AB22-0XB0	0		6ES7212-1AB22-0XB0	0	8 Relays N / 8 Opto N

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

interfast 3

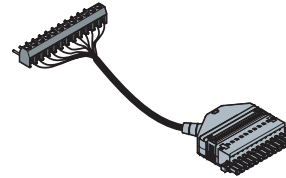


Siemens PLC S7 200 PLC board with built-in connector. Cable with Omnicontact connector



A
2

CPU 221 Relays CPU 222 Relays



INPUT CHANNEL

OUTPUT CHANNEL

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

■ Wire markers optional: Consult us

■ Accessories: see section on ACCESSORIES

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

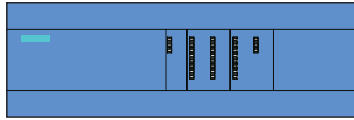
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/CPU212/OMN12/350	0029 218.02	0034 218.27	LA150/CPU212/OMN12/353	0029 236.24	0034 236.11
2 m	LA200/CPU212/OMN12/350	0029 219.03	0034 219.20	LA200/CPU212/OMN12/353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

Characteristics

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

interfast 3

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



■ Wire markers optional : Consult us

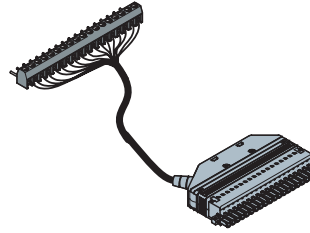
■ Accessories : see section on ACCESSORIES

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	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2BA00-0XA0	6ES7290-2BA00-0XA0

CPU 224 CC INPUT



WITH CONNECTOR INTERFACE

WITH DECOUPLING INTERFACE

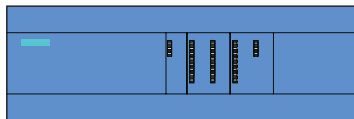
The output supply for the sensor is not connected to our interfaces.

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

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

interfast 3

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



■ Wire markers optional : Consult us

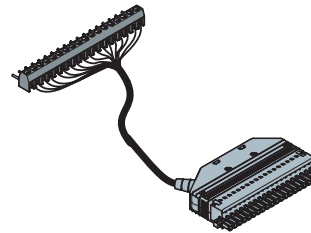
■ Accessories : see section on ACCESSORIES

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	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2BA00-0XA0	6ES7290-2BA00-0XA0

CPU 224 CC OUTPUT



WITH CONNECTOR INTERFACE

WITH DECOUPLING INTERFACE

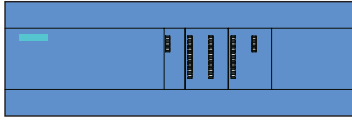
The ground terminal is not connected to our interfaces.
The output supply is connected to the CPU supply.

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

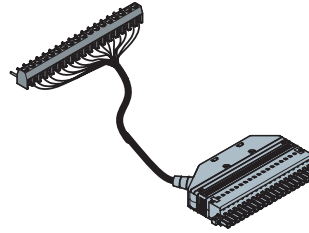
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/CPU214/OMN20/357	0029 260.10	0034 260.05	LA150/CPU214/OMN20/358	0029 266.02	0034 266.27
2 m	LA200/CPU214/OMN20/357	0029 261.05	0034 261.22	LA200/CPU214/OMN20/358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

interfast 3

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



CPU 224 Relays



INPUT CHANNEL

OUTPUT CHANNEL

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

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

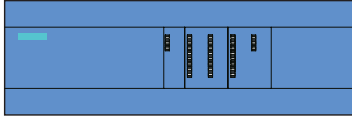
Characteristics

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

A
2

interfast 3

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

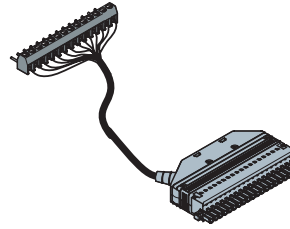


■ Wire markers optional: Consult us

■ Accessories: see section on ACCESSORIES

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

CPU 226 CC INPUT



CHANNELS 1 TO 13

CHANNELS 14 TO 24

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

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

Characteristics

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

interfast 3

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

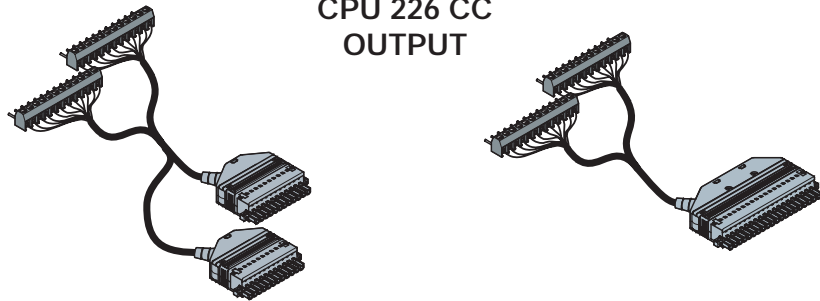


■ Wire markers optional: Consult us

■ Accessories: see section on ACCESSORIES

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

CPU 226 CC OUTPUT



WITH CONNECTOR INTERFACE

WITH DECOUPLING INTERFACE

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

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

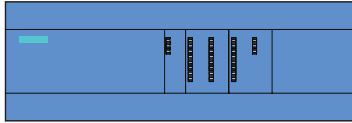
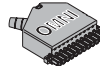
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/CPU216/2xOMN12/367	0029 320.04	0034 320.21	LA150/CPU216/OMN20/368	0029 326.26	0034 326.13
2 m	LA200/CPU216/2xOMN12/367	0029 321.21	0034 321.16	LA200/CPU216/OMN20/368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

Characteristics

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

interfast 3

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



A
2

■ Wire markers optional: Consult us

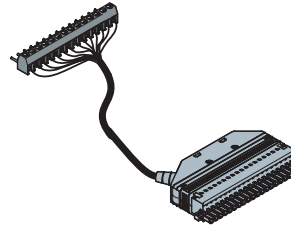
■ Accessories: see section on ACCESSORIES

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

Characteristics

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

CPU 226 Relays INPUTS



CHANNELS 1 TO 13

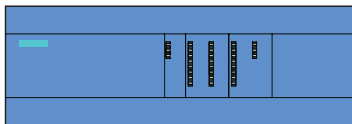
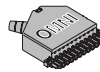
CHANNELS 14 TO 24

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 24 I DIGITAL			Boards 24 I DIGITAL		
6ES7216-2BD22-0XB0	□■		6ES7216-2BD22-0XB0	□■	

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

interfast 3

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



■ Wire markers optional: Consult us

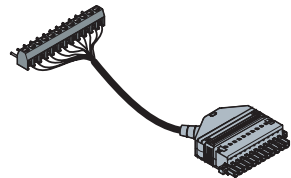
■ Accessories: see section on ACCESSORIES

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

Characteristics

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

CPU 226 Relays OUTPUTS



CHANNELS 1 TO 9

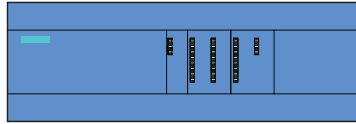
CHANNELS 10 TO 16

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGITAL			Boards 16 O DIGITAL		
6ES7216-2BD22-0XB0	□■		6ES7216-2BD22-0XB0	□■	

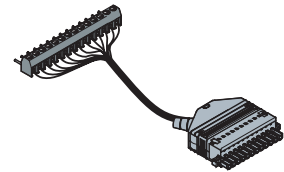
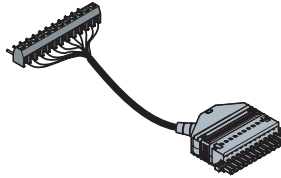
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/S7200/OMN12/369	0029 332.24	0034 332.11	LA150/CPU216/OMN12/370	0029 338.02	0034 338.27
2 m	LA200/S7200/OMN12/369	0029 333.25	0034 333.12	LA200/CPU216/OMN12/370	0029 339.03	0034 339.20
2,5 m						
3 m	LA300/S7200/OMN12/369	0029 335.27	0034 335.14	LA300/CPU216/OMN12/370	0029 341.05	0034 341.22
4 m						
5 m	LA500/S7200/OMN12/369	0029 337.21	0034 337.16	LA500/CPU216/OMN12/370	0029 343.07	0034 343.24

interfast 3

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



16 I / 16 O DIGITAL Modules INPUTS



CHANNELS 1 TO 8

CHANNELS 9 TO 16

CHANNELS 1 TO 8			CHANNELS 9 TO 16			
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface	
Boards 16 I DIGITAL			Boards 16 I DIGITAL			
6ES7223-1PL20-0XA0		8 Opto	6ES7223-1PL20-0XA0		8 Opto	
6ES7223-1BL20-0XA0		8 Opto	6ES7223-1BL20-0XA0		8 Opto	
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/S7200/OMN12/587	0036 162.11	0037 162.12	LA150/S7200/OMN12/587	0036 162.11	0037 162.12
2 m	LA200/S7200/OMN12/587	0036 163.12	0037 163.13	LA200/S7200/OMN12/587	0036 163.12	0037 163.13
2,5 m						
3 m	LA300/S7200/OMN12/587	0036 165.14	0037 165.15	LA300/S7200/OMN12/587	0036 165.14	0037 165.15
4 m						
5 m	LA500/S7200/OMN12/587	0036 167.16	0037 167.17	LA500/S7200/OMN12/587	0036 167.16	0037 167.17

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Characteristics

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

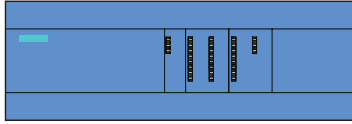
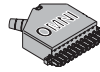
CHANNELS 1 TO 8			CHANNELS 9 TO 16			
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface	
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m						
2 m						
2,5 m						
3 m						
4 m						
5 m						

Characteristics

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

interfast 3

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



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



CHANNELS 1 TO 8

CHANNELS 9 TO 16

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

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

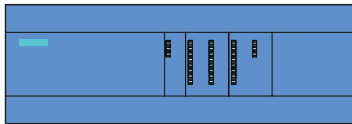
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

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

interfast 3

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



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



CHANNELS 1 TO 8

CHANNELS 9 TO 16

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

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

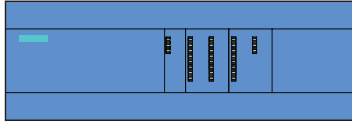
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

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

interfast 3

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



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



CHANNELS 1 TO 8

CHANNELS 9 TO 16

CHANNELS 1 TO 8			CHANNELS 9 TO 16			
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface	
Boards 16O DIGI. 6ES7223-1PL20-0XA0			Boards 16O DIGI. 6ES7223-1PL20-0XA0			
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/S7200/OMN12/264	0026 720.22	0028 720.04	LA150/S7200/OMN12/264	0026 720.22	0028 720.04
2 m	LA200/S7200/OMN12/264	0026 721.17	0028 721.21	LA200/S7200/OMN12/264	0026 721.17	0028 721.21
2,5 m						
3 m	LA300/S7200/OMN12/264	0026 723.11	0028 723.23	LA300/S7200/OMN12/264	0026 723.11	0028 723.23
4 m						
5 m	LA500/S7200/OMN12/264	0026 725.13	0028 725.25	LA500/S7200/OMN12/264	0026 725.13	0028 725.25

■ Wire markers optional: Consult us

■ Accessories: see section on ACCESSORIES

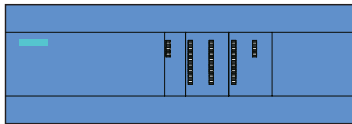
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

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

interfast 3

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



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



CHANNELS 1 TO 8

CHANNELS 9 TO 16

CHANNELS 1 TO 8			CHANNELS 9 TO 16			
⁽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 16O DIGI. 6ES7223-1PL20-0XA0		8 Relays N ⁽¹⁾ / 8 Opto N ⁽¹⁾	Boards 16O DIGI. 6ES7223-1PL20-0XA0		8 Relays N ⁽¹⁾ / 8 Opto N ⁽¹⁾	
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/S7200/OMN12/265	0026 726.14	0028 726.26	LA150/S7200/OMN12/265	0026 726.14	0028 726.26
2 m	LA200/S7200/OMN12/265	0026 727.15	0028 727.27	LA200/S7200/OMN12/265	0026 727.15	0028 727.27
2,5 m						
3 m	LA300/S7200/OMN12/265	0026 729.27	0028 729.01	LA300/S7200/OMN12/265	0026 729.27	0028 729.01
4 m						
5 m	LA500/S7200/OMN12/265	0026 731.11	0028 731.23	LA500/S7200/OMN12/265	0026 731.11	0028 731.23

■ Wire markers optional: Consult us

■ Accessories: see section on ACCESSORIES

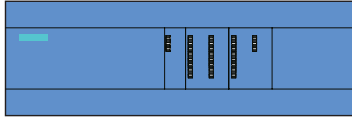
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

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

interfast 3

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



A
2

■ Wire markers optional:
Consult us

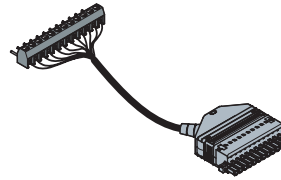
■ Accessories:
see section on ACCESSORIES

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

Characteristics

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

8 I / 8 O DIGITAL Modules INPUTS



COMMON BY GROUP OF 4

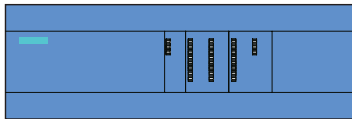
COMMON BY GROUP OF 8

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

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

interfast 3

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



■ Wire markers optional:
Consult us

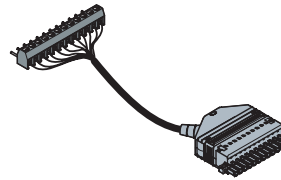
■ Accessories:
see section on ACCESSORIES

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

Characteristics

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

8 I / 8 O DIGITAL Modules OUTPUTS



COMMON BY GROUP OF 4

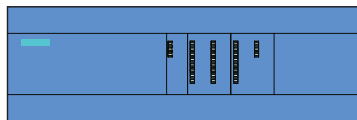
COMMON BY GROUP OF 8

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

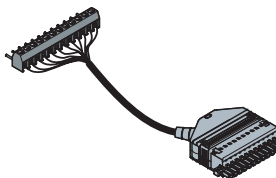
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/S7200/OMN12/264	0026 720.22	0028 720.04	LA150/S7200/OMN12/265	0026 726.14	0028 726.26
2 m	LA200/S7200/OMN12/264	0026 721.17	0028 721.21	LA200/S7200/OMN12/265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

interfast 3

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



8 I / 8 O DIGITAL Modules INPUTS



COMMON BY GROUP OF 4

COMMON BY GROUP OF 8

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

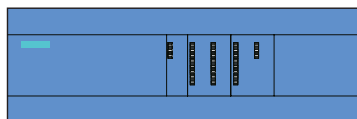
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/S7200/OMN12/256	0026 678.04	0028 678.16	LA150/S7200/OMN12/257	0026 684.13	0028 684.25
2 m	LA200/S7200/OMN12/256	0026 679.05	0028 679.17	LA200/S7200/OMN12/257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

Characteristics

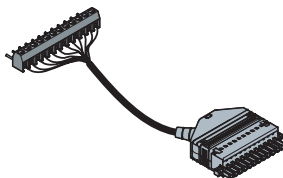
Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7290-2AA00-0XA0	6ES7290-2AA00-0XA0

interfast 3

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



8 I / 8 O DIGITAL Modules OUTPUTS



COMMON BY GROUP OF 4

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

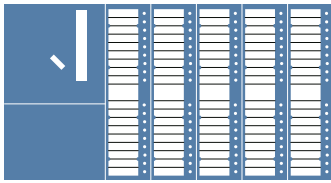
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/S7200/OMN12/268	0026 744.26	0028 744.00			
2 m	LA200/S7200/OMN12/268	0026 745.27	0028 745.01			
2,5 m						
3 m	LA300/S7200/OMN12/268	0026 747.21	0028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

Characteristics

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

CONNECTION TECHNOLOGY SELECTION GUIDE

SIEMENS S7 300



Multipurpose cable

See chapter
"Connection cables"



interfast 2 Swing arm pre-wired by ENTRELEC

HDI High density range



STI standard range



Sub D range Shielded cable



interfast 3 PLC used has a connector on the card

STI range cable



Modulo 16



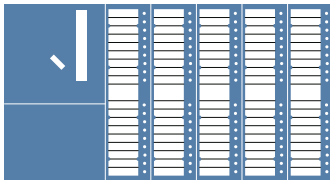
Modulo 8

References

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

CONNECTION TECHNOLOGY SELECTION GUIDE

SIEMENS S7 300



Multipurpose cable

See chapter
"Connection cables"



interfast 2 Swing arm pre-wired by ENTRELEC

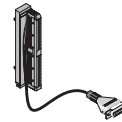
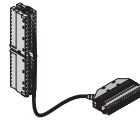
HDI High density range



STI standard range



Sub D range Shielded cable



interfast 3 PLC used has a connector on the card

STI range cable






Module 16



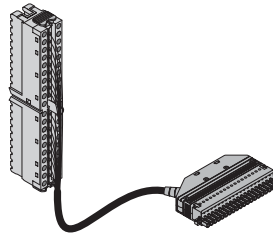
Module 8

References

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

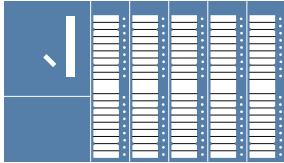
interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



CPU 312 C

A
2



■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

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

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

Characteristics

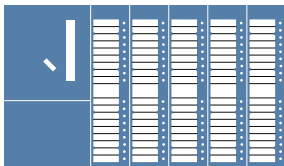
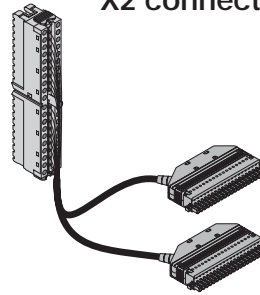
Type of interface connector	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AM00 - 0AA0

interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



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



■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

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

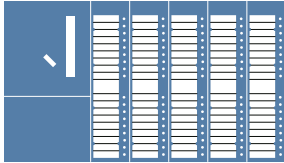
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	FA150/S7 300/2xOMN20/228	0026 516.02	0028 516.14			
2 m	FA200/S7 300/2xOMN20/228	0026 517.03	0028 517.15			
2,5 m						
3 m	FA300/S7 300/2xOMN20/228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

Characteristics

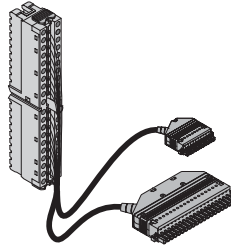
Type of interface connector	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AM00 - 0AA0

interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



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



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

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

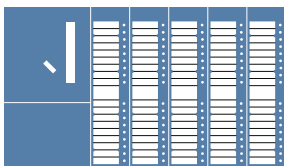
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

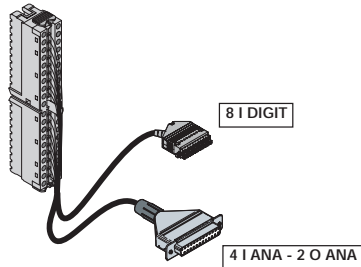
Type of interface connector	1 Omniconnect 20 points + 1 Omniconnect 12 points
Wire size	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AM00 - 0AB0

interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



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



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

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

■ 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

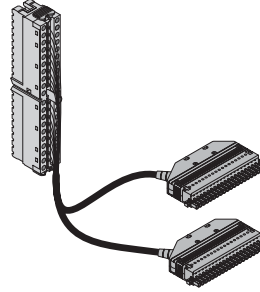
Type of interface connector	1 Omniconnect 12 points + 1 female 25 points Sub D
Wire size	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AM00 - 0AB0

interfast 2

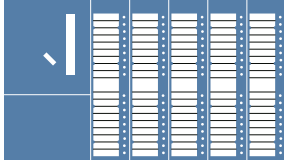
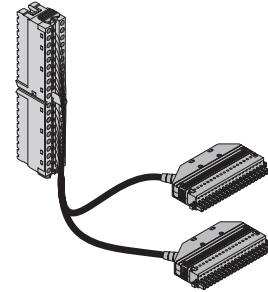
Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



Board 32 I DIGITAL Board 8 O DIGITAL



Board 32 I DIGITAL Board 32 O DIGITAL



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

Wire markers optional:
Consult us

Accessories:
see section on ACCESSORIES

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

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

Characteristics

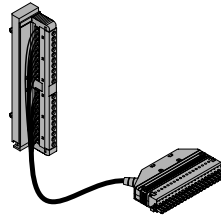
Type of interface connector	2 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AM00 - 0AA0	6ES7392 - 1AM00 - 0AA0

interfast 2

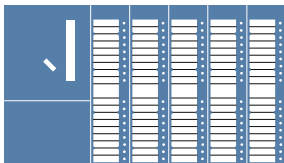
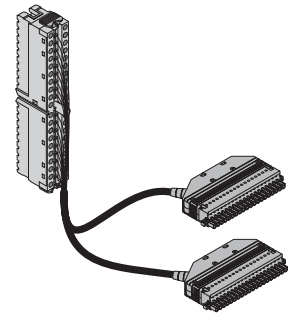
Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



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



Board 16 I / 16 O DIGITAL



(1) Note : 2 cables per PLC board

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

Wire markers optional:
Consult us

Accessories:
see section on ACCESSORIES

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

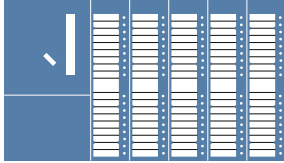
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/S7 300/OMN20/063	0029 993.14	0034 993.01			
1,5 m	FA150/S7 300/OMN20/063	0021 424.01	0027 424.07	FA150/S7 300/2xOMN20/228	0026 516.02	0028 516.14
2 m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

Characteristics

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

interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
Consult us

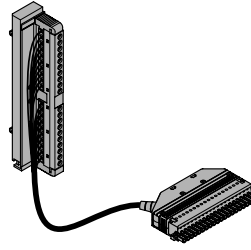
■ Accessories:
see section on ACCESSORIES

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

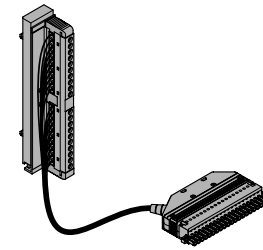
Characteristics

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

Board 16 I DIGITAL



Board 16 I DIGITAL Board 16 O DIGITAL

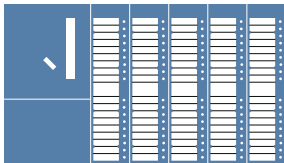


Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL			Boards 16 I DIGITAL		
6ES7321-1BH02-0AA0	2 3	16 Opto P	6ES7321-1EH01-0AA0	2	
6ES7321-1BH50-0AA0	2 3	16 Opto N	6ES7321-7BH01-0AB0	2	
6ES7321-1BH81-0AA0	2 3		6ES7321-7BH80-0AB0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

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

interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
Consult us

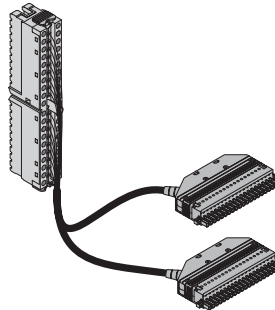
■ Accessories:
see section on ACCESSORIES

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

Characteristics

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

Board 16 O DIGITAL



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

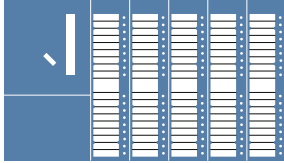
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/S7 300/2xOMN20/061	0029 991.12	0034 991.07			
1,5 m	FA150/S7 300/2xOMN20/061	0021 412.05	0027 412.03			
2 m	FA200/S7 300/2xOMN20/061	0021 413.06	0027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

interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



A
2



■ Wire markers optional:
Consult us

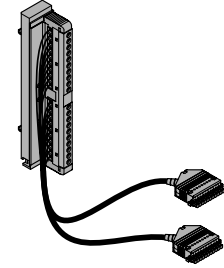
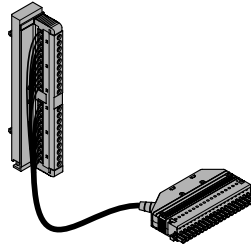
■ Accessories:
see section on ACCESSORIES

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

Characteristics

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

Board 8 I / 8 O DIGITAL



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

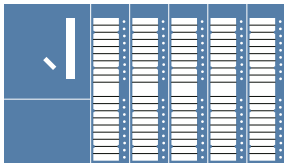
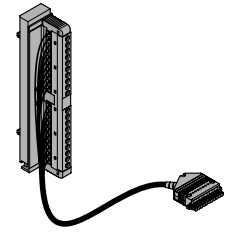
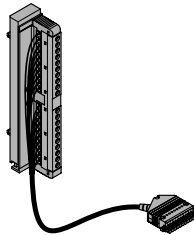
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/S7 300/OMN20/063	0029 993.14	0034 993.01			
1,5 m	FA150/S7 300/OMN20/063	0021 424.01	0027 424.07	FA150/S7 300/2xOMN12/064	0021 430.13	0027 430.11
2 m	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



Board 8 I DIGITAL 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

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

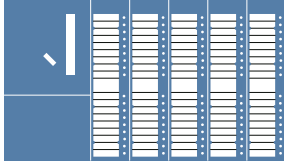
⁽¹⁾ Common by group of 4

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

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

interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors

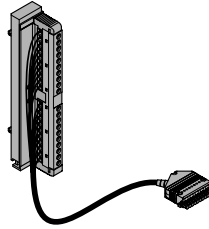


■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

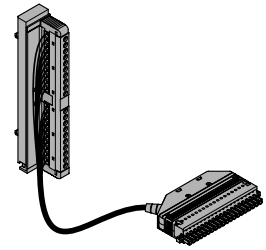
Board 8 O DIGITAL



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

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

Board 8 O DIGITAL



Length	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m			
1,5 m	FA150/S7 300/OMN12/068	0021 454.17	0027 454.15
2 m	FA200/S7 300/OMN12/068	0021 455.10	0027 455.16
2,5 m			
3 m	FA300/S7 300/OMN12/068	0021 457.12	0027 457.10
4 m			
5 m	FA500/S7 300/OMN12/068	0021 459.24	0027 459.22

Type of board	Connector interface	Decoupling interface
Boards 8 O DIGITAL		
6ES7322-1HF01-0AA0	2	
6ES7322-8BF00-0AB0	2	3
6ES7322-8BF80-0AB0	2	3

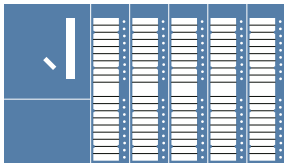
Length	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m			
1,5 m	FA150/S7 300/OMN20/069	0021 460.21	0027 460.27
2 m	FA200/S7 300/OMN20/069	0021 461.16	0027 461.14
2,5 m			
3 m	FA300/S7 300/OMN20/069	0021 463.10	0027 463.16
4 m			
5 m	FA500/S7 300/OMN20/069	0021 465.12	0027 465.10

Characteristics

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

interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors

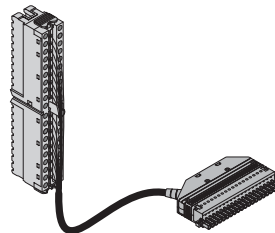


■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

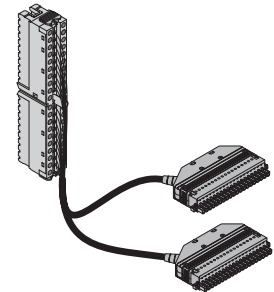
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Board 8 O DIGITAL



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

Board 8 O DIGITAL



Length	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m			
1,5 m	FA150/S7 300/OMN20/473	0029 906.25	0034 906.12
2 m	FA200/S7 300/OMN20/473	0029 907.26	0034 907.13
2,5 m			
3 m	FA300/S7 300/OMN20/473	0029 909.00	0034 909.25
4 m			
5 m	FA500/S7 300/OMN20/473	0029 911.11	0034 911.06

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

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

Characteristics

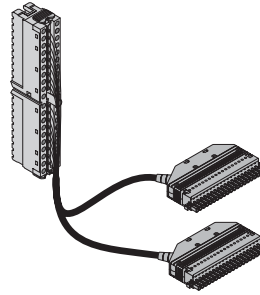
Type of interface connector	1 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AM00 - 0AA0	6ES7392 - 1AM00 - 0AA0

interfast 2

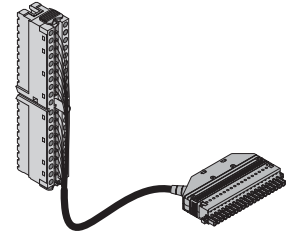
Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



Board 8 I ANA



Board 8 I ANA



I VOLTAGE / I CURRENT

I VOLTAGE

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

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Characteristics

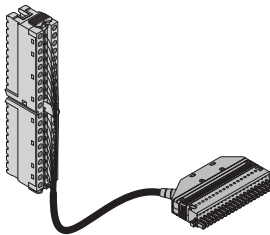
Type of interface connector	2 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7392 - 1AM00 - 0AA0	6ES7392 - 1AM00 - 0AA0

interfast 2

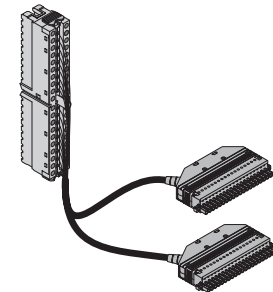
Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



Board 8 I ANA



Board 8 I ANA
Board 8 O ANA



I CURRENT

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

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

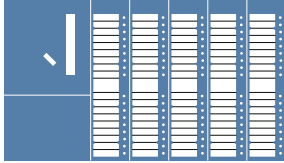
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

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

interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
Consult us

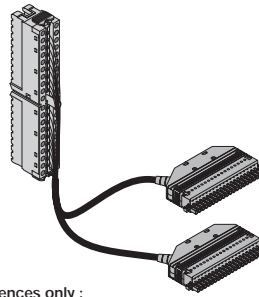
■ Accessories:
see section on ACCESSORIES

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

Characteristics

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

Board 8 I ANA



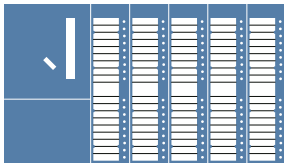
⁽¹⁾ These references only :
0631 001.25, 0021 021.00, 0032 003.12, 0032 121.04

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

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

interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
Consult us

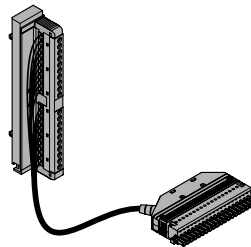
■ Accessories:
see section on ACCESSORIES

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

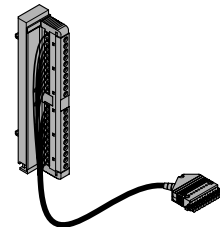
Characteristics

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

Board 4 I / 4 O ANA



Board 2 I ANA Board 2 O ANA



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

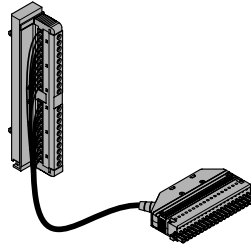
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/S7 300/OMN20/063	0029 993.14	0034 993.01			
1,5 m	FA150/S7 300/OMN20/063	0021 424.01	0027 424.07	FA150/S7 300/OMN12/550	0036 408.21	0037 408.22
2 m	FA200/S7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

interfast 2

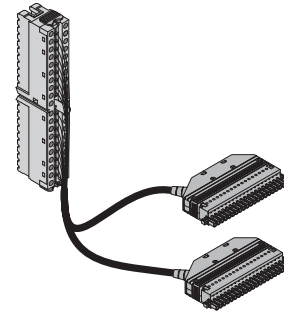
Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



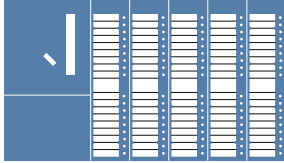
FM 350 - 1



FM 350 - 2



A
2



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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

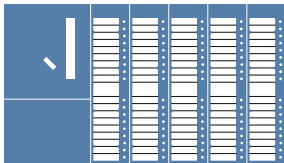
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/S7 300/OMN20/063	0029 993.14	0034 993.01			
1,5 m	FA150/S7 300/OMN20/063	0021 424.01	0027 424.07	FA150/S7 300/2xOMN20/642	0036 868.25	0037 868.26
2 m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

Characteristics

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

interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

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

Characteristics

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

interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors

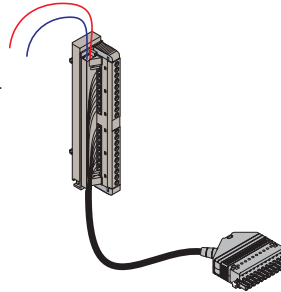


Board 4 I DIGITAL
Board 4 O DIGITAL

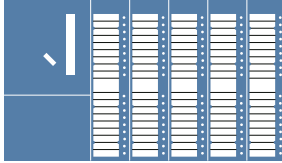
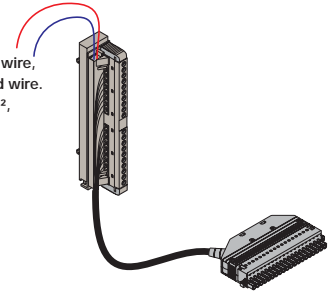


Board 4/8 O ANA

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



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



■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

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

Characteristics

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

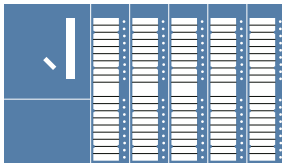
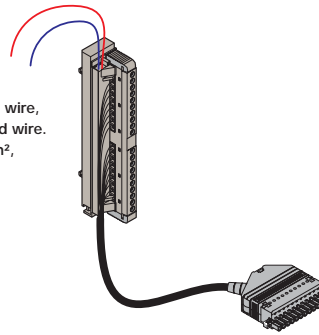
interfast 2

Siemens PLC S7 300
Swing arm with cable and
Omniconnect connectors



Board 4 I ANA
Board 4 O ANA

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



■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

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

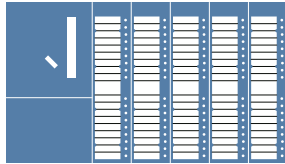
Characteristics

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

interfast 2



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



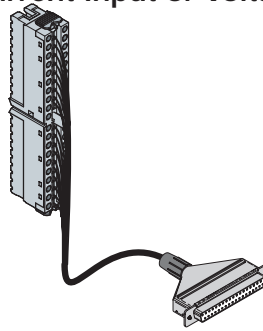
A
2

■ Wire markers optional:
Consult us

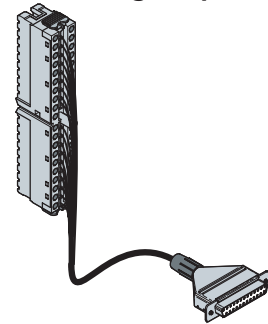
■ Accessories:
see section on ACCESSORIES

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

Board 8 I ANA 8 Current Input or Voltage



Board 8 I ANA 8 Voltage Input



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

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

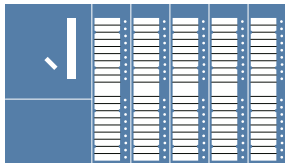
Characteristics

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

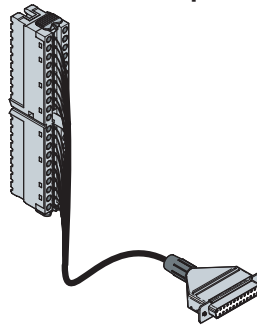
interfast 2



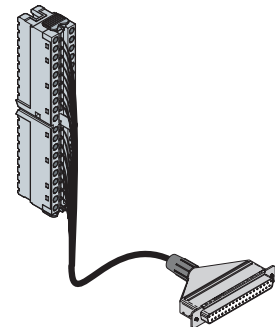
Siemens PLC S7 300
Swing arm with cable and
Sub D connector



Board 8 I ANA 8 Current Input



Board 8 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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

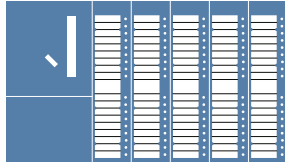
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

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

interfast 2

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



■ Wire markers optional:
Consult us

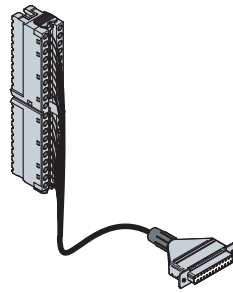
■ Accessories:
see section on ACCESSORIES

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

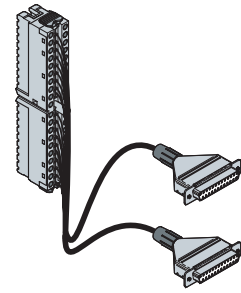
Characteristics

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

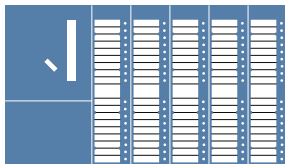


Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA 6ES7331-7PF10-0AB0	Sub D 25		Boards 8 I ANA 6ES7331-1KF00-0AB0	Sub D 25	

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

interfast 2

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



■ Wire markers optional:
Consult us

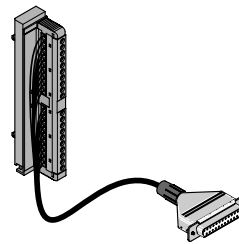
■ Accessories:
see section on ACCESSORIES

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

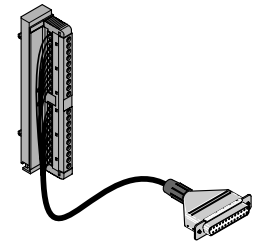
Characteristics

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 6ES7331-7KF02-0AB0	Sub D 25		Boards 4 I / 4 O ANA 6ES7335-7HG01-0AB0	Sub D 25	
Boards 4 I / 2 O ANA 6ES7334-0CE00-0AA0	Sub D 25				
6ES7334-0KE00-0AB0	Sub D 25				
Boards 4 O ANA 6ES7332-5HD01-0AB0	Sub D 25				
6ES7332-7ND01-0AB0	Sub D 25				

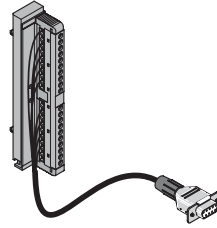
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	FA150/S7 300/SubD25/057	0021 388.25	0027 388.23	FA150/S7 300/SubD25/057	0021 388.25	0027 388.23
2 m	FA200/S7 300/SubD25/057	0021 389.26	0027 389.24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

interfast 2

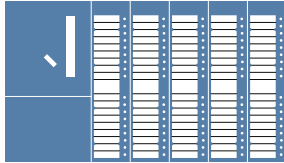
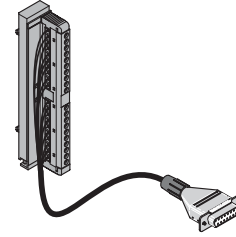
Siemens PLC S7 300
Swing arm with cable and
Sub D connector



Board 2 I ANA



Board 2 O ANA



A
2

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

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

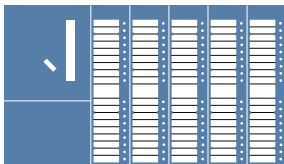
Length	Board 2 I ANA			Board 2 O ANA		
	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	FA150/S7 300/SubD9/058	0021 394.13	0027 394.11	FA150/S7 300/SubD15/059	0021 400.26	0027 400.24
2 m	FA200/S7 300/SubD9/058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

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

interfast 2

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



■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

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

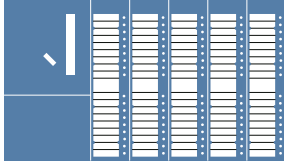
Length	Board 2 I ANA			Board 2 O ANA		
	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m						
2 m						
2,5 m						
3 m						
4 m						
5 m						

Characteristics

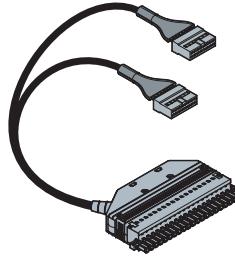
Type of interface connector		
Wire size		
Resistance/capacity cable		
PLC connector reference		

interfast 3

Siemens PLC S7 300
PLC board with built-in
connector. Cable with
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	Decoupling interface Output	Type of board	Connector interface	Decoupling interface Input	Decoupling interface Output
Boards 16 I / 16 O DIGITAL							
6ES7313-5BE00-0AB0	2 3 6 7						
6ES7313-6BE00-0AB0	2 3 6 7		16 Relays N				
6ES7313-6CE00-0AB0	2 3 6 7	16 Opto P	16 Opto N				
6ES7314-6BF00-0AB0	2 3 6 7						
6ES7314-6CF00-0AB0	2 3 6 7						

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

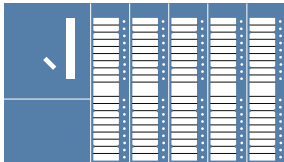
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	LA150/2xHE10-16/OMN20/295/UL		0028 906.24			
2 m	LA200/2xHE10-16/OMN20/295/UL		0028 907.25			
2,5 m						
3 m	LA300/2xHE10-16/OMN20/295/UL		0028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

Characteristics

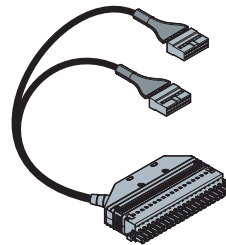
Type of interface connector	1 Omniconnect 20 points
Wire size	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM
PLC connector reference	2 HE 10/16 points

interfast 3

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

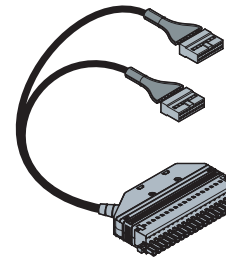


Board 32 I DIGITAL Board 32 O DIGITAL Board 16 I / 16 O DIGITAL



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

Board 16 I DIGITAL



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

Note : 2 cables per PLC board

⁽¹⁾ To 60 V DC max.

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

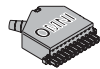
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	LA150/2xHE10-16/OMN20/295/UL		0028 906.24	LA150/2xHE10-16/OMN20/295/UL		0028 906.24
2 m	LA200/2xHE10-16/OMN20/295/UL		0028 907.25	LA200/2xHE10-16/OMN20/295/UL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

Characteristics

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

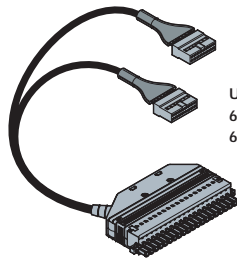
interfast 3

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

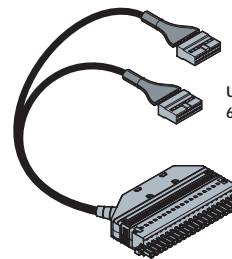


Board 16 O DIGITAL

Board 16 O DIGITAL



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



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

Note : 2 cables per PLC board

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

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

Wire markers optional:
Consult us

Accessories:
see section on ACCESSORIES

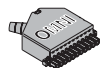
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

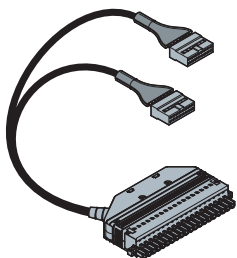
Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	2 HE 10/16 points	2 HE 10/16 points

interfast 3

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



Board 8 I / 8 O DIGITAL Board 8 O DIGITAL



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

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

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

Wire markers optional:
Consult us

Accessories:
see section on ACCESSORIES

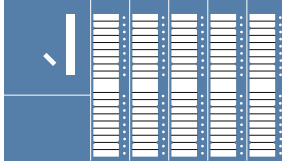
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

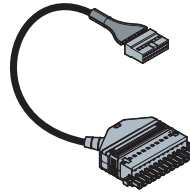
Type of interface connector	1 Omniconnect 20 points	
Wire size	0,14 mm ² - 26 AWG	
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	
PLC connector reference	2 HE 10/16 points	

interfast 3

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



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



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

Note : 4 cables per PLC board

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

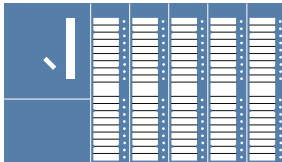
Length	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/HE10-16/OMN12/296/UL		0028 912.11
2 m	LA200/HE10-16/OMN12/296/UL		0028 913.12
2,5 m			
3 m	LA300/HE10-16/OMN12/296/UL		0028 915.14
4 m			
5 m	LA500/HE10-16/OMN12/296/UL		0028 917.16

Characteristics

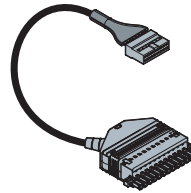
Type of interface connector	1 Omniconnect 12 points
Wire size	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM
PLC connector reference	1 HE 10/16 points

interfast 3

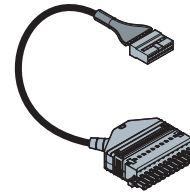
Siemens PLC S7 300
PLC board with built-in
connector. Cable with
Omniconnect connector



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



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



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

Note : 4 cables per PLC board

Note : 2 cables per PLC board

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

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

Characteristics

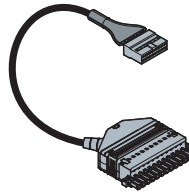
Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	1 HE 10/16 points	1 HE 10/16 points

interfast 3

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

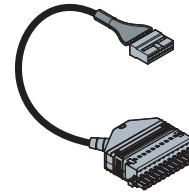


Board 16 O DIGITAL



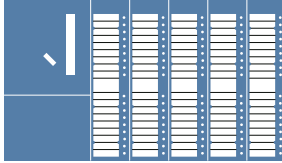
Use with frontal connector :
6ES7921-3AA00-0AA0
6ES7921-3AB00-0AA0

Board 16 O DIGITAL



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

A
2



Note : 2 cables per PLC board

Note : 4 cables per PLC board

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

Wire markers optional:
Consult us

Accessories:
see section on ACCESSORIES

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

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

Characteristics

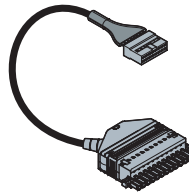
Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	1 HE 10/16 points	1 HE 10/16 points

interfast 3

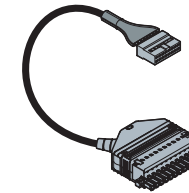
Siemens PLC S7 300
PLC board with built-in connector. Cable with Omniconnect connector



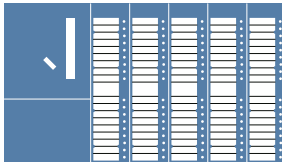
Board 8 I / 8 O DIGITAL Board 8 O DIGITAL



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



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



Note : 2 cables per PLC board

(1) Common by group of 8

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

Wire markers optional:
Consult us

Accessories:
see section on ACCESSORIES

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

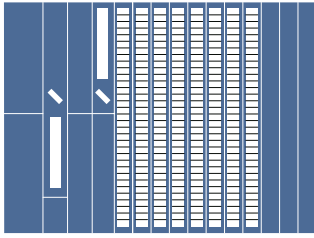
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	LA150/HE10-16/OMN12/296/UL		0028 912.11	LA150/HE10-16/OMN12/297/UL		0028 918.27
2 m	LA200/HE10-16/OMN12/296/UL		0028 913.12	LA200/HE10-16/OMN12/297/UL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

Characteristics

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

CONNECTION TECHNOLOGY SELECTION GUIDE

SIEMENS S7 400



Multipurpose cable

See chapter
"Connection cables"



interfast 2 Swing arm pre-wired by ENTRELEC

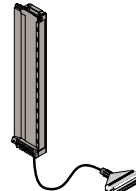
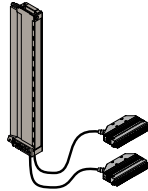
HDI High density range



STI standard range

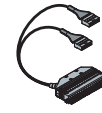


Sub D range Shielded cable



interfast 3 PLC used has a connector on the card

STI range cable



Modulo 16

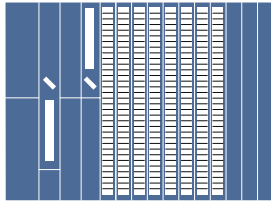


Modulo 8

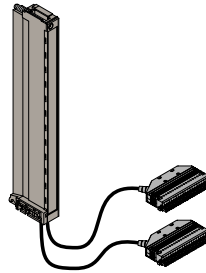
References	See page	See page	See page
Boards 32 I DIGITAL			
6ES7421-1BL01-0AA0	Page 46		Page 53
6ES7421-1EL00-0AA0	Page 46		
6MD1021-0AA0-0AA0	Page 48		
Boards 32 O DIGITAL			
6ES7422-1BL00-0AA0	Page 46		Page 53
6ES7422-7BL00-0AB0	Page 46		Page 53
6MD1022-0AA0-0AA0	Page 48		
Boards 16 I DIGITAL			
6ES7421-7DH00-0AB0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

interfast 2

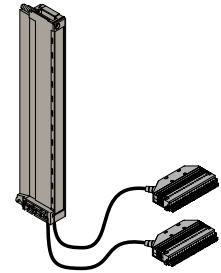
Siemens PLC S7 400
Swing arm with cable and
Omniconnect connectors



Board 32 I DIGITAL Board 32 O DIGITAL



Board 32 I DIGITAL Board 16 I DIGITAL



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

Wire markers optional:
Consult us

Accessories:
see section on ACCESSORIES

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

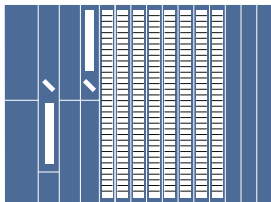
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/S7 400/2xOMN20/576	0029 994.15	0034 994.02			
1,5 m	FA150/S7 400/2xOMN20/576	0029 978.04	0034 978.21	FA150/S7 400/2xOMN20/075	0021 496.02	0027 496.00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

Characteristics

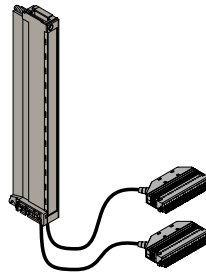
Type of interface connector	2 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7492 - 1CL00 - 0AA0	6ES7492 - 1CL00 - 0AA0

interfast 2

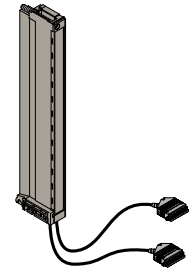
Siemens PLC S7 400
Swing arm with cable and
Omniconnect connectors



Board 16 I DIGITAL Board 16 O DIGITAL



Board 16 I DIGITAL Board 16 O DIGITAL



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

Wire markers optional:
Consult us

Accessories:
see section on ACCESSORIES

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

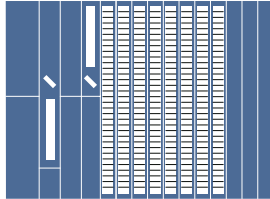
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/S7 400/2xOMN20/576	0029 994.15	0034 994.02			
1,5 m	FA150/S7 400/2xOMN20/576	0029 978.04	0034 978.21	FA150/S7 400/2xOMN12/076	0021 502.10	0027 502.16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

Characteristics

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

interfast 2

Siemens PLC S7 400
Swing arm with cable and
Omniconnect connectors

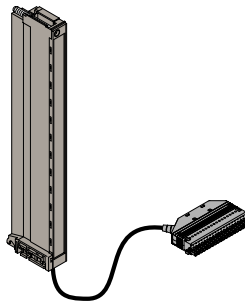


■ Wire markers optional:
Consult us

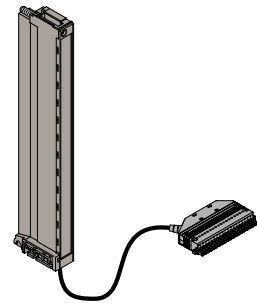
■ Accessories:
see section on ACCESSORIES

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

Board 16 O DIGITAL



Board 16 O DIGITAL



⁽¹⁾ For 24 VDC only

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

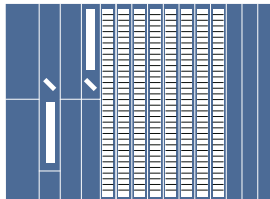
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/S7 400/OMN20/077	0021 508.26	0027 508.24	FA150/S7 400/OMN20/438	0029 714.23	0034 714.10
2 m	FA200/S7 400/OMN20/077	0021 509.27	0027 509.25	FA200/S7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

Characteristics

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

interfast 2

Siemens PLC S7 400
Swing arm with cable and
Omniconnect connectors

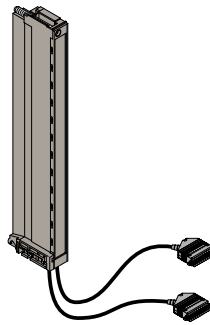


■ Wire markers optional:
Consult us

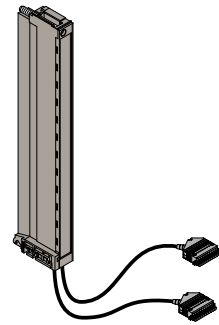
■ Accessories:
see section on ACCESSORIES

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

Board 16 O DIGITAL



Board 8 O DIGITAL



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

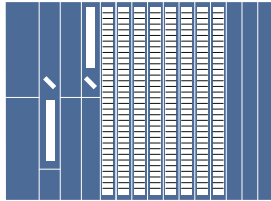
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/S7 400/2xOMN12/078	0021 514.03	0027 514.01	FA150/S7 400/2xOMN12/079	0021 520.15	0027 520.13
2 m	FA200/S7 400/2xOMN12/078	0021 515.04	0027 515.02	FA200/S7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

Characteristics

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

interfast 2

Siemens PLC S7 400
Swing arm with cable and
Omniconnect connectors



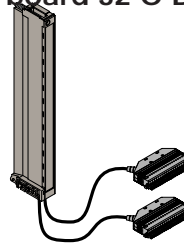
A
2

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Safety board 32 I DIGITAL Safety board 32 O DIGITAL



WITH CONNECTOR
INTERFACE

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		
6MD1021-0AA0-0AA0	2 3 (1) 6 7 (1)	16 Opto P (1)	6MD1022-0AA0-0AA0	2 3 (1) 6 7 (1)	16 Relays N (1) / 16 Opto N (1)
Boards 32 O DIGITAL					
6MD1022-0AA0-0AA0	2 6				

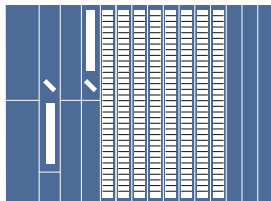
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/S7 400/2xOMN20/408	0029 566.27	0034 566.14	FA150/S7 400/2xOMN20/409	0029 572.25	0034 572.12
2 m	FA200/S7 400/2xOMN20/408	0029 567.20	0034 567.15	FA200/S7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

Characteristics

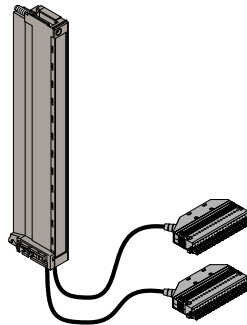
Type of interface connector	2 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7492 - 1CL00 - 0AA0	6ES7492 - 1CL00 - 0AA0

interfast 2

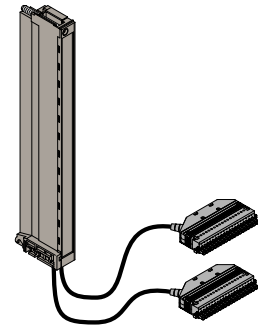
Siemens PLC S7 400
Swing arm with cable and
Omniconnect connectors



Safety board 32 I ANA



Safety board 16 I 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 32 I ANA			Boards 16 I ANA		
6MD1031-0AA0-0AA0	2 6		6MD1032-0AA0-0AA0	2 6	
6MD1031-0BA0-0AA0	2 6		6MD1032-0BA0-0AA0	2 6	

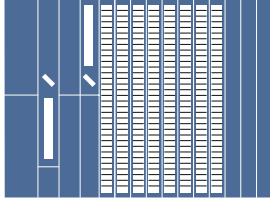
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/S7 400/2xOMN20/539	0036 342.25	0037 342.26	FA150/S7 400/2xOMN20/541	0036 354.21	0037 354.22
2 m	FA200/S7 400/2xOMN20/539	0036 343.26	0037 343.27	FA200/S7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

Characteristics

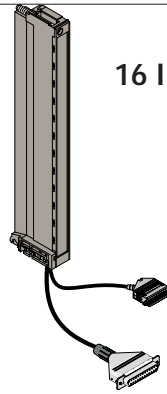
Type of interface connector	2 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7492 - 1CL00 - 0AA0	6ES7492 - 1CL00 - 0AA0

interfast 2

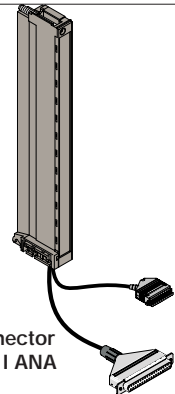
Siemens PLC S7 400
Swing arm with cable and
Omniconnect connectors



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	0 1 4 5 and Sub D 25		FM 455 C	0 1 4 5 and Sub D 37	

Wire markers optional:
Consult us

Accessories:
see section on ACCESSORIES

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

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

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

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

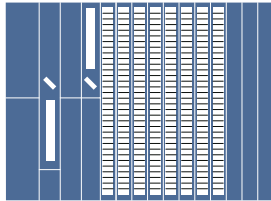
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m						
2 m						
2,5 m						
3 m						
4 m						
5 m						

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

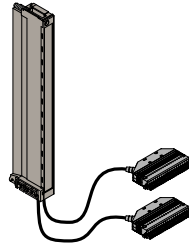
Characteristics	
Type of interface connector	
Wire size	
Resistance/capacity cable	
PLC connector reference	

interfast 2

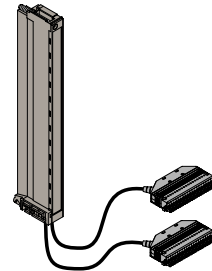
Siemens PLC S7 400
Swing arm with cable and
Omniconnect connectors



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



Board 8 I ANA



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

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I ANA			Boards 8 I ANA		
6ES7431-7QH00-0AB0	2 6 (1)		6ES7431-7KF 00-0AB0	2 6	
6ES7431-0HH00-0AB0	2 6 (1)				
Boards 8 I ANA					
6ES7431-1KF00-0AB0	2 6 (1)				
6ES7431-7KF10-0AB0	2 6 (1)				
Boards 8 O ANA					
6ES7432-1HF00-0AB0	2 6 (1)				

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

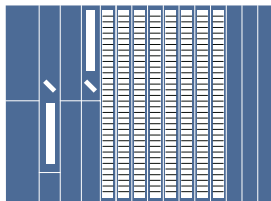
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

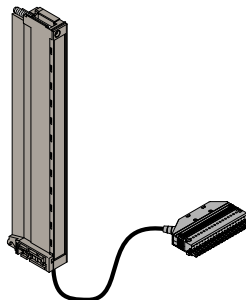
Type of interface connector	2 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	6ES7492 - 1CL00 - 0AA0	6ES7492 - 1CL00 - 0AA0

interfast 2

Siemens PLC S7 400
Swing arm with cable and
Omniconnect connectors



Board 8 I ANA



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

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

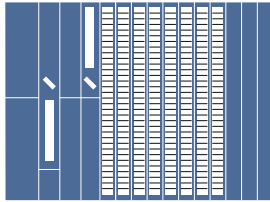
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

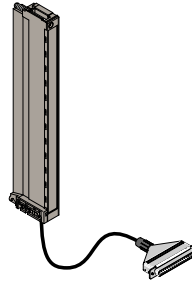
Type of interface connector	1 Omniconnect 20 points	
Wire size	0,22mm ² - 24 AWG	
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	
PLC connector reference	6ES7492 - 1CL00 - 0AA0	

interfast 2

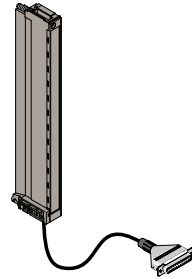
Siemens PLC S7 400
Swing arm with cable and
Sub D connectors



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



Board 8 I ANA



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

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

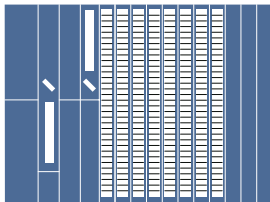
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

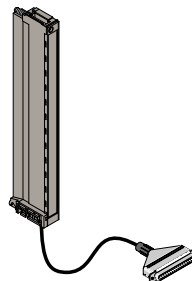
Type of interface connector	1 Sub D 37 female points	1 Sub D 25 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	6ES7492 - 1CL00 - 0AA0	6ES7492 - 1CL00 - 0AA0

interfast 2

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



Board 8 I ANA



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

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

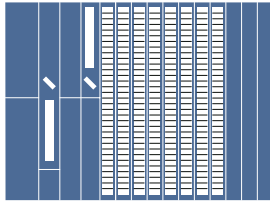
Characteristics

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

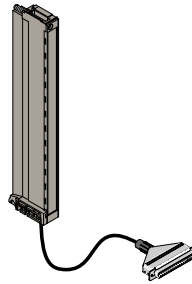
interfast 2



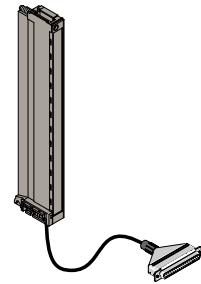
Siemens PLC S7 400
Swing arm with cable and
Sub D connectors



Safety board 32 I ANA



Safety board 16 I ANA



A
2

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

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

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

Characteristics

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

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

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

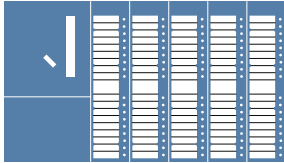
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

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

interfast 3

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

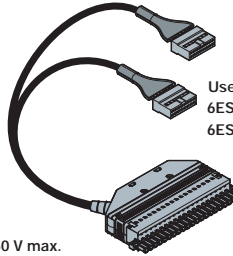


■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

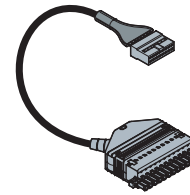
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

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



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

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



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

⁽¹⁾ To 60 V max.

Note : 2 cables per PLC board

⁽¹⁾ To 60 V max.

Note : 4 cables per PLC board

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

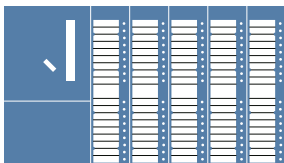
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/2xHE10-16/OMN20/295/UL		0028 906.24	LA150/HE10-16/OMN12/296/UL		0028 912.11
2 m	LA200/2xHE10-16/OMN20/295/UL		0028 907.25	LA200/HE10-16/OMN12/296/UL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

Characteristics

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

interfast 3

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

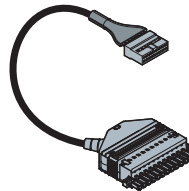


■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Board 16 O DIGITAL



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

⁽¹⁾ To 60 V max.

⁽²⁾ For 24 VDC only

Note : 2 cables per PLC board

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

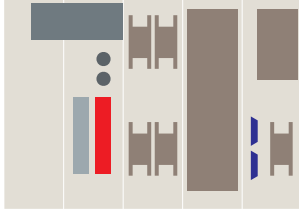
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/HE10-16/OMN12/297/UL		0028 918.27			
2 m	LA200/HE10-16/OMN12/297/UL		0028 919.20			
2,5 m						
3 m	LA300/HE10-16/OMN12/297/UL		0028 921.12			
4 m	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

Characteristics

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

CONNECTION TECHNOLOGY SELECTION GUIDE

TELEMECANIQUE
TSX 37-MICRO



Multipurpose cable

See chapter
"Connection cables"



interfast 2

Swing arm pre-wired by ENTRELEC

HDI High density range



STI standard range



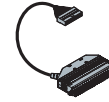
Sub D range Shielded cable



interfast 3

PLC used has a connector on the card

STI range cable

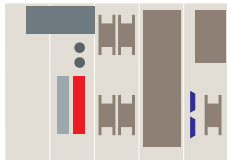


References

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

interfast 2

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

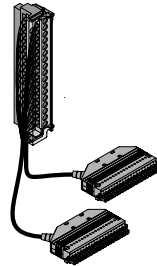


■ Wire markers optional:
Consult us

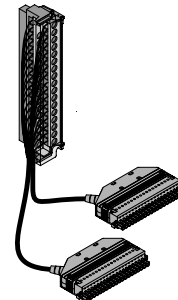
■ Accessories:
see section on ACCESSORIES

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

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



Board 32 O DIGITAL



⁽¹⁾ For 16 I only

⁽¹⁾ For 24 VDC only

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

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

Characteristics

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

interfast 2

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

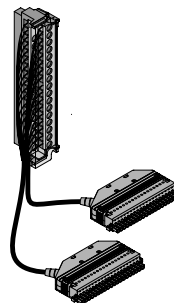


■ Wire markers optional:
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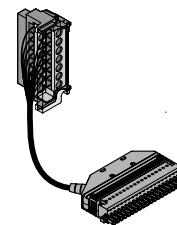
■ Accessories:
see section on ACCESSORIES

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

Board 16 I / 12 O DIGITAL



Board 12 I DIGITAL



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

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

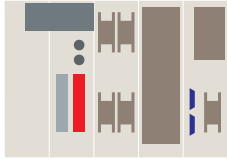
Characteristics

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

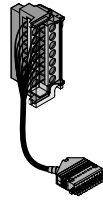
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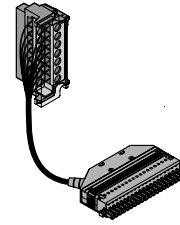
Télmécanique PLC TSX 37-MICRO
Swing arm with cable and
Omniconnect connectors



Board 8 I DIGITAL Board 8 O DIGITAL



Board 8 O DIGITAL



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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

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

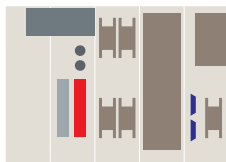
Characteristics

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

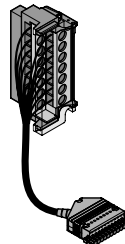
interfast 2



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



Board 4 O DIGITAL



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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

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

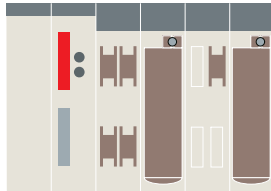
Characteristics

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

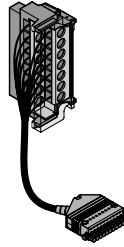
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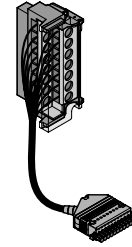
Télé mécanique PLC TSX 37-MICRO
Swing arm with cable and
Omniconnect connectors



Board 8 I DIGITAL



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



■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Length	Board 8 I DIGITAL			Board 4 I ANA Board 4 O 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 *
1,5 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

Characteristics

Characteristic	Board 8 I DIGITAL	Board 4 I ANA Board 4 O ANA Board 2 O ANA
Type of interface connector	1 Omnicontact 12 points	1 Omnicontact 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - AWG 22
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector interface	TSX BLZ H01	TSX BLZ H01

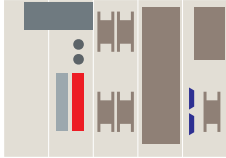
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

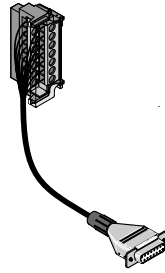
Characteristic	Board 8 I DIGITAL	Board 4 I ANA Board 4 O ANA Board 2 O ANA
Type of interface connector		
Wire size		
Resistance/capacity cable		
PLC connector interface		

interfast 2

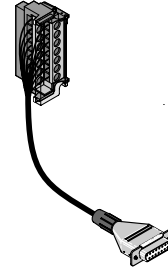
Télémécanique PLC TSX 37-MICRO
Swing arm with cable and
Sub D connectors



Board 8 I ANA



Board 4 I ANA



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

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

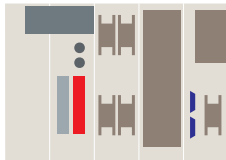
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

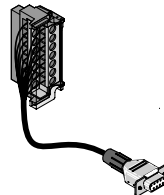
Type of interface connector	1 Sub D 15 female points	1 Sub D 15 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	TSX BLZ H01	TSX BLZ H01

interfast 2

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



Board 4 O ANA Board 2 O ANA



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

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

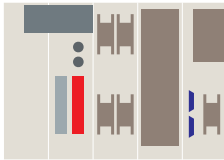
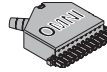
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

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

interfast 3

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



■ Wire markers optional:
 Consult us

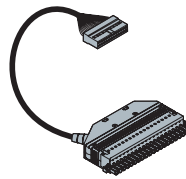
■ Accessories:
 see section on ACCESSORIES

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

Characteristics

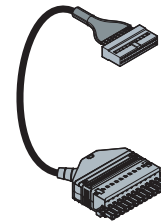
Type of interface connector	1 Omnicomnect 20 points	1 Omnicomnect 12 points
Wire size	0,14mm ² - 26 AWG	0,14mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector interface	1 HE 10/20 points	1 HE 10/20 points

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



- (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



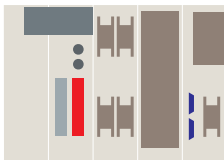
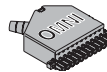
Connector	
HE 10/20	OMN 12
1	3
2	4
3	5
4	6
5	7
6	8
7	9
8	10
9	
10	
11	
12	
13	
14	
15	
16	
17	1
18	2
19	1
20	2

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

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



■ Wire markers optional:
 Consult us

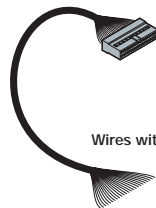
■ Accessories:
 see section on ACCESSORIES

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

Characteristics

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

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



Wires with ferrules

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

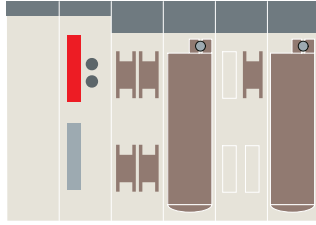
HE 10/20	Colour
1	White
2	Brown
3	Green
4	Yellow
5	Grey
6	Pink
7	Blue
8	Red
9	Black
10	Violet
11	Grey-Pink
12	Red-Blue
13	White-Green
14	Brown-Green
15	White-Yellow
16	Yellow-Brown
17	White-Grey
18	Grey-Brown
19	White-Pink
20	Pink-Brown

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

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

CONNECTION TECHNOLOGY SELECTION GUIDE

TELEMECANIQUE
PLC TSX 57 PREMIUM



Multipurpose cable

See chapter
"Connection cables"



interfast 2

Swing arm pre-wired by ENTRELEC

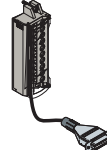
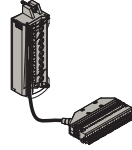
HDI High density range



STI standard range



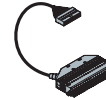
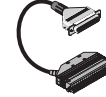
Sub D range Shielded cable



interfast 3

PLC used has a connector on the card

STI range cable



Sub D shielded cable



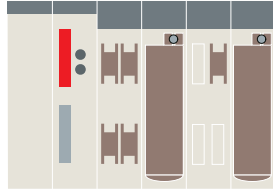
References

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

interfast 2



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

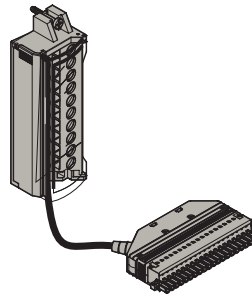


■ Wire markers optional:
Consult us

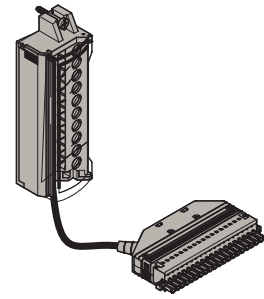
■ Accessories:
see section on ACCESSORIES

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

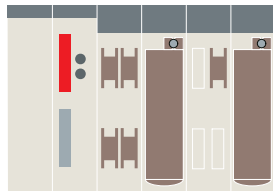
Characteristics

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

interfast 2



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

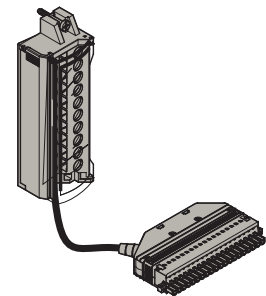
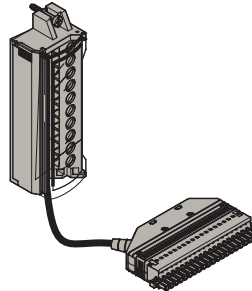


■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Board 16 O DIGITAL



COMMON BY GROUP OF 8

⁽¹⁾ 24 V DC only

COMMON BY GROUP OF 4

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGITAL			Boards 16 O DIGITAL		
TSX DSY 16R5		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		

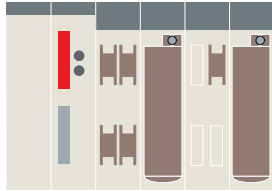
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/TSX57/OMN20/249	0026 642.20	0028 642.02	FA150/TSX57/OM20/250	0026 648.06	0028 648.10
2 m	FA200/TSX57/OMN20/249	0026 643.21	0028 643.03	FA200/TSX57/OM20/250	0026 649.07	0028 649.11
2,5 m						
3 m	FA300/TSX57/OMN20/249	0026 645.23	0028 645.05	FA300/TSX57/OM20/250	0026 651.21	0028 651.03
4 m						
5 m	FA500/TSX57/OMN20/249	0026 647.25	0028 647.07	FA500/TSX57/OM20/250	0026 653.23	0028 653.05

Characteristics

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

interfast 2

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



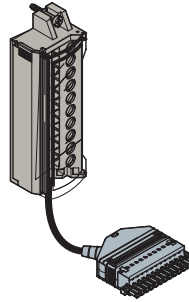
A
3

■ Wire markers optional:
Consult us

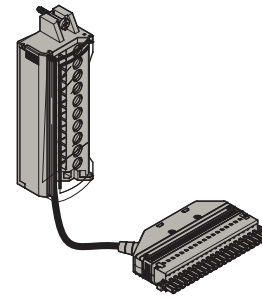
■ Accessories:
see section on ACCESSORIES

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

Board 8 I DIGITAL Board 8 O DIGITAL



Board 8 O DIGITAL



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

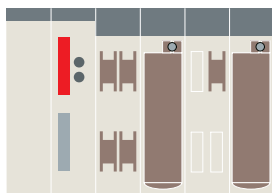
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/TSX57/OMN12/252	0026 852.13	0028 852.25	FA150/TSX57/OMN20/251	0026 654.24	0028 654.06
2 m	FA200/TSX57/OMN12/252	0026 853.14	0028 853.26	FA200/TSX57/OMN20/251	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

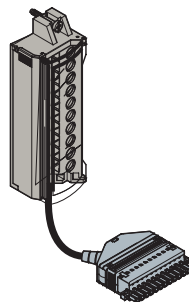
Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 20 points
Wire size	0,34mm ² - 22 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector interface	TSX BLY 01	TSX BLY 01

interfast 2

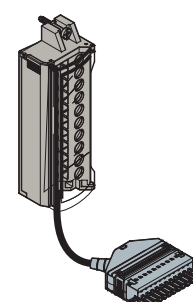
Télemécanique PLC TSX 57-PREMIUM
Swing arm with cable and
Omniconnect connectors



Board 8 O DIGITAL



Board 8 O DIGITAL



⁽¹⁾ 48 VDC on request

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O DIGITAL			Boards 8 O DIGITAL		
TSX DSY 08T22		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/OM12/254	0026 666.20	0028 666.02
2 m	FA200/TSX57/OMN12/253	0026 661.23	0028 661.05	FA200/TSX57/OM12/254	0026 667.21	0028 667.03
2,5 m						
3 m	FA300/TSX57/OMN12/253	0026 663.25	0028 663.07	FA300/TSX57/OM12/254	0026 669.03	0028 669.15
4 m						
5 m	FA500/TSX57/OMN12/253	0026 665.27	0028 665.01	FA500/TSX57/OM12/254	0026 671.25	0028 671.07

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

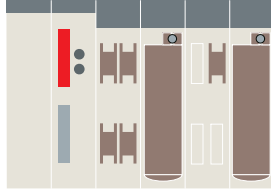
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

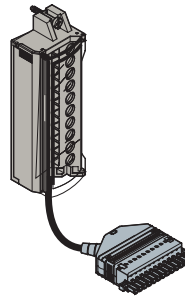
Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector interface	TSX BLY 01	TSX BLY 01

interfast 2

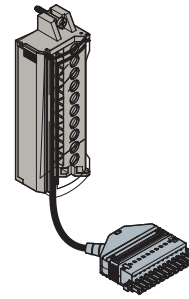
Télemécanique PLC TSX 57-PREMIUM
Swing arm with cable and Omni-connect connectors



Board 8 O DIGITAL



Board 8 O DIGITAL



COMMON BY GROUP OF 8

COMMON BY GROUP OF 4

⁽¹⁾ For 24 VDC only

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

■ Wire markers optional:
■ Consult us

■ Accessories:
■ see section on ACCESSORIES

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

Characteristics

Length	COMMON BY GROUP OF 8			COMMON BY GROUP OF 4		
	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

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

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

Length	COMMON BY GROUP OF 8			COMMON BY GROUP OF 4		
	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m						
2 m						
2,5 m						
3 m						
4 m						
5 m						

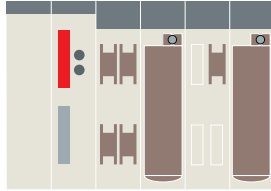
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

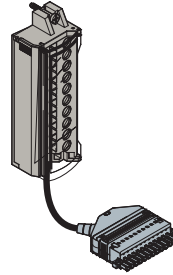
Type of interface connector		
Wire size		
Resistance/capacity cable		
PLC connector interface		

interfast 2

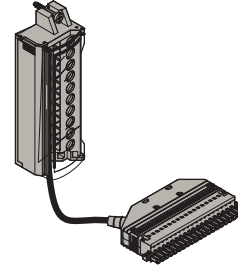
Télemécanique PLC TSX 57-PREMIUM
Swing arm with cable and
Omniconnect connectors



Board 4 I ANA Current / Voltage Board 4 O ANA



Board 4 E ANA RTD



A
3

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

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

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

Characteristics

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

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

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

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

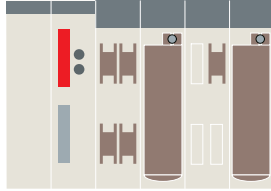
Characteristics

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

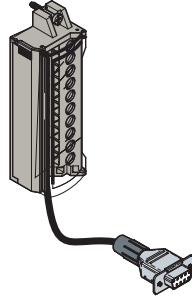
interfast 2



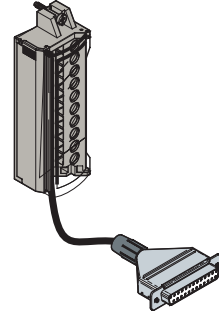
Télemécanique PLC TSX 57-PREMIUM
Swing arm with cable and
Sub D connectors



Board 4 I ANA Current / Voltage



Board 4 I ANA RTD / Current / Voltage



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

■ 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/SubD9/243	0026 606.25	0028 606.07	FA150/TSX57/SubD25/244	0026 612.12	0028 612.24
2 m	FA200/TSX57/SubD9/243	0026 607.26	0028 607.00	FA200/TSX57/SubD25/244	0026 613.13	0028 613.25
2,5 m						
3 m	FA300/TSX57/SubD9/243	0026 609.00	0028 609.12	FA300/TSX57/SubD25/244	0026 615.15	0028 615.27
4 m						
5 m	FA500/TSX57/SubD9/243	0026 611.11	0028 611.23	FA500/TSX57/SubD25/244	0026 617.17	0028 617.21

Characteristics

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

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

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

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

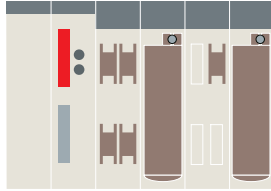
Characteristics

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

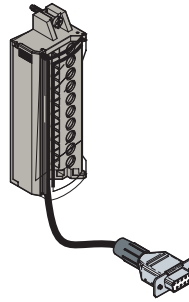
interfast 2



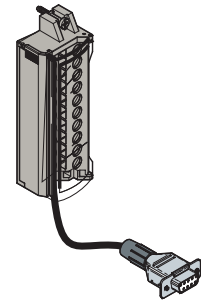
Télemécanique PLC TSX 57-PREMIUM
Swing arm with cable and
Sub D connectors



Board 4 O ANA VOLTAGE



Board 4 O ANA CURRENT



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

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

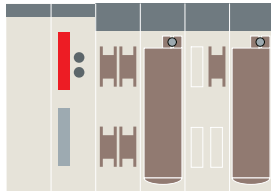
Characteristics

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

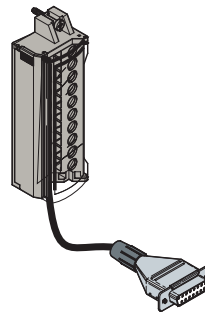
interfast 2



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



Board 4 O ANA CURRENT / VOLTAGE



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

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

■ Wire markers optional:
Consult us

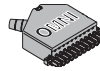
■ Accessories:
see section on ACCESSORIES

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

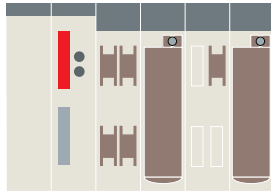
Characteristics

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 interface	TSX BLY 01	

interfast 3



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



■ Wire markers optional: Consult us

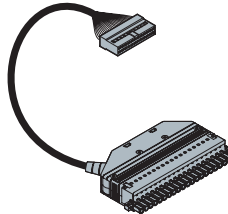
■ Accessories: see section on ACCESSORIES

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

Characteristics

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

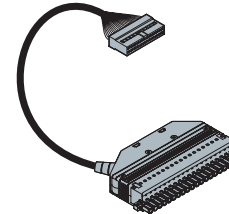
Board 64 I DIGITAL Board 32 I DIGITAL Board 16 I DIGITAL



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

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

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



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

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

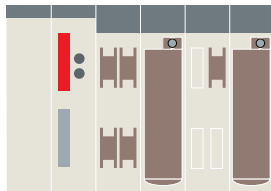
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 64 I DIGITAL			Boards 64 O DIGITAL		
TSX DEY 64D2K (1)	2 3 6 7	16 opto P	TSX DSY 64T2K (1)	2 3 6 7	16 Relays N 16 opto N
Boards 32 I DIGITAL			Boards 32 O DIGITAL		
TSX DEY 32D2K (2)	2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

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

interfast 3



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



■ Wire markers optional: Consult us

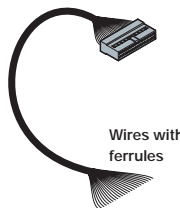
■ Accessories: see section on ACCESSORIES

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

Characteristics

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

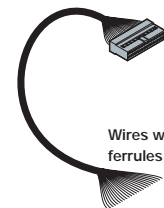
Board 64 I DIGITAL Board 32 I DIGITAL Board 16 I DIGITAL



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

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

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



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

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

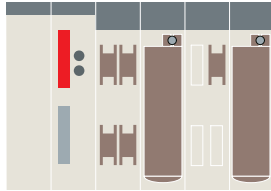
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 64 I DIGITAL			Boards 64 O DIGITAL		
TSX DEY 64D2K (1)			TSX DSY 64T2K (1)		
Boards 32 I DIGITAL			Boards 32 O DIGITAL		
TSX DEY 32D2K (2)			TSX DSY 32T2K (2)		
TSX DEY 32D3K (2)			Boards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

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

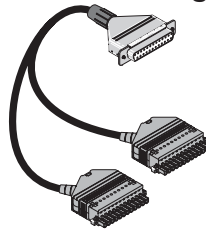
interfast 3



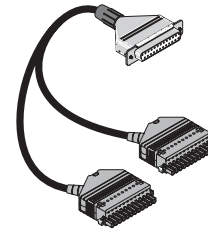
Télemécanique PLC TSX 57-PREMIUM PLC board with built-in connector. Cables with connector to omniconnect



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



Board 8 I ANA
Current / Voltage



(1) Note : 2 cables per PLC board

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

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

■ Wire markers optional: Consult us

■ Accessories: see section on ACCESSORIES

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

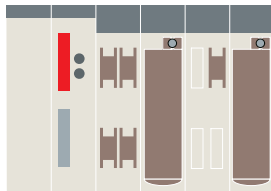
Characteristics

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

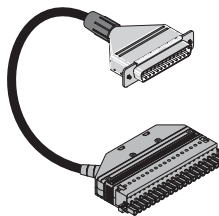
interfast 2



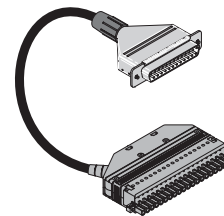
Télemécanique PLC TSX 57-PREMIUM PLC board with built-in connector. Cables with connector to omniconnect



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



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



(1) Note : 2 cables per PLC board

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

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

■ Wire markers optional: Consult us

■ Accessories: see section on ACCESSORIES

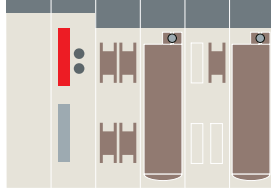
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

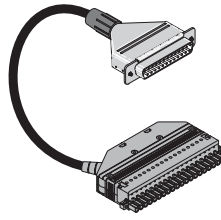
Type of interface connector	1 omniconnect 20 points	1 omniconnect 20 points
Wire size	0,22mm ² -AWG 24	0,22mm ² -AWG 24
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector interface	1 Sub D 25 points male	1 Sub D 25 points male

interfast 3

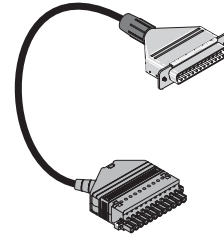
Télemécanique PLC TSX 57-PREMIUM PLC board with built-in connector. Cables with connector to omniconnect



Board 16 I ANA



Board 4 I ANA



(1) Note : 2 cables per PLC board

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

■ Wire markers optional: Consult us

■ Accessories: see section on ACCESSORIES

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

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

Characteristics

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

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

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

Characteristics

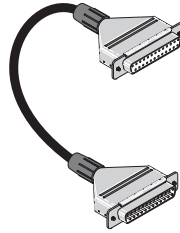
Type of interface connector		
Wire size		
Resistance/capacity cable		
PLC connector interface		

interfast 3

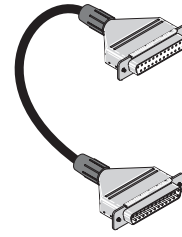
Télémécanique PLC TSX 57-PREMIUM PLC board with built-in connector. Cable with Sub D connector to Sub D



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

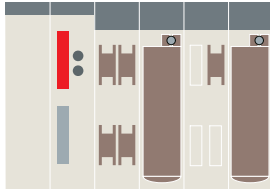


Board 4 E ANA
Current or Voltage Input



(1) Note : 2 cables per PLC board

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



■ Wire markers optional: Consult us

■ Accessories: see section on ACCESSORIES

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

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

Characteristics

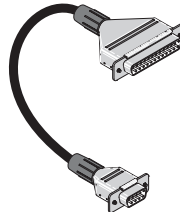
Type of interface connector	1 Sub D 25 female points	1 Sub D 25 points female
Wire size	0.34mm ² - Shielded 22 AWG	0.34mm ² - AWG 22 blindé
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector interface	1 Sub D 25 points mâle	1 Sub D 25 points mâle

interfast 3

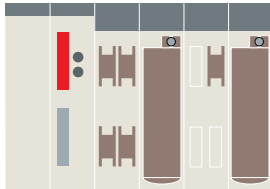
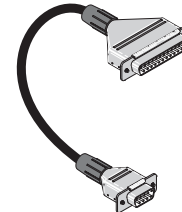
Télémécanique PLC TSX 57-PREMIUM PLC board with built-in connector. Cable with Sub D connector to Sub D



Board 4 E ANA
Current Input



Board 4 E ANA
Voltage Input



■ Wire markers optional: Consult us

■ Accessories: see section on ACCESSORIES

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

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

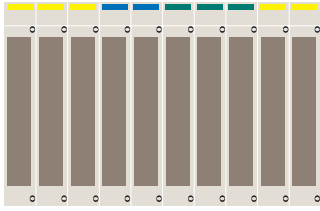
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/SubD25M/SubD9F/479	0029 942.20	0034 942.15	LA150/SubD25M/SubD9F/480	0029 948.06	0034 948.23
2 m	LA200/SubD25M/SubD9F/479	0029 943.21	0034 943.16	LA200/SubD25M/SubD9F/480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

Characteristics

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

CONNECTION TECHNOLOGY SELECTION GUIDE

AEG Modicon TSX PLC Quantum



Multipurpose cable

See chapter
"Connection cables"



interfast 2 Swing arm pre-wired by ENTRELEC

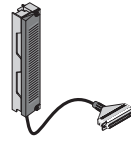
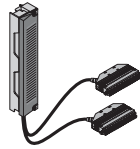
HDI High density range



STI standard range

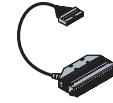


Sub D range Shielded cable



interfast 3 PLC used has a connector on the card

STI range cable

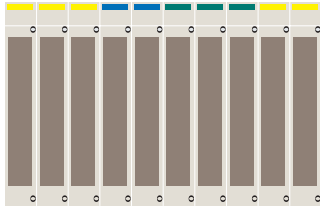


References

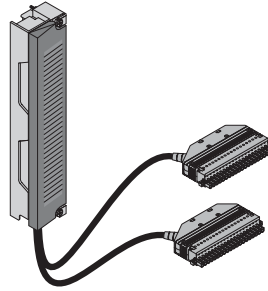
	See page	See page	See page
Boards 96 I DIGITAL			
140 DDI 36400			Page 79
Boards 96 O DIGITAL			
140 DDO 36400			Page 79
Boards 32 I DIGITAL			
140 DAI 55300	Page 72		
140 DDI 35300	Page 72		
140 DDI 85300	Page 72		
140 DDI 15310	Page 72		
140 DAI 35300	Page 72		
140 DAI 45300	Page 72		
140 DDI 35310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

interfast 2

TSX PLC Quantum
Swing arm with cable and
Omniconnect connectors

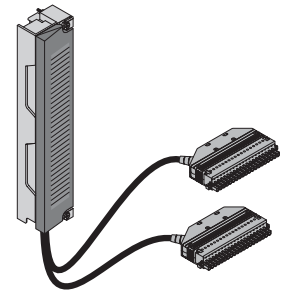


Board 32 I DIGITAL



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

Board 32 O DIGITAL



(1) Negative common

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

Wire markers optional:
Consult us

Accessories:
see section on ACCESSORIES

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

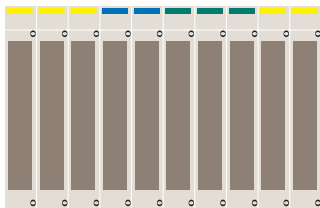
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/Quantum/2xOMN20/001	0029 996.17	0034 996.04	FA100/Quantum/2xOMN20/001	0029 996.17	0034 996.04
1,5 m	FA150/Quantum/2xOMN20/001	0021 526.07	0027 526.05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

Characteristics

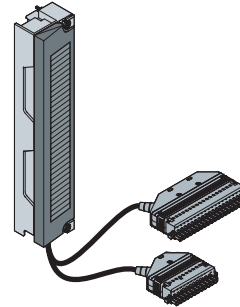
Type of interface connector	2 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	140 XTS 00200	140 XTS 00200

interfast 2

TSX PLC Quantum
Swing arm with cable and
Omniconnect connectors



Board 16 I / 8 O DIGITAL



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

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

Wire markers optional:
Consult us

Accessories:
see section on ACCESSORIES

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

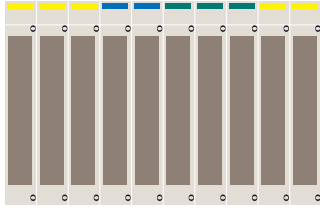
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	FA150/Quantum/OMN12+OMN20/218	0026 444.12	0028 444.24	FA150/Quantum/OMN12+OMN20/219	0026 450.24	0028 450.06
2 m	FA200/Quantum/OMN12+OMN20/218	0026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

Characteristics

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

interfast 2

TSX PLC Quantum
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
Consult us

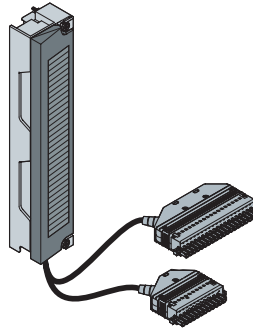
■ Accessories:
see section on ACCESSORIES

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

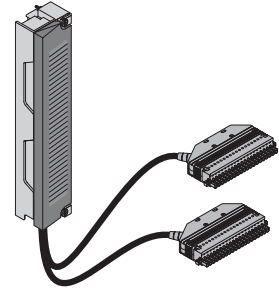
Characteristics

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

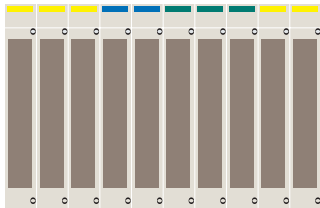


Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 24 I DIGITAL			Boards 16 I DIGITAL		
140 DDI 67300	0 and 2		140 DAI 54000	2 6	
			140 DAI 74000	2 6	
			140 DDI 84100	2 6	
			140 DAI 34000	2 6	
			140 DAI 44000	2 6	

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

interfast 2

TSX PLC Quantum
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
Consult us

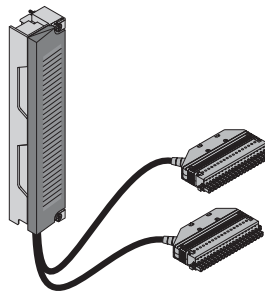
■ Accessories:
see section on ACCESSORIES

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

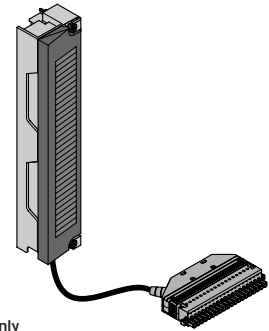
Characteristics

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



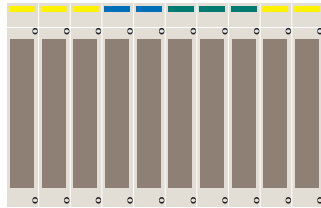
⁽¹⁾ For 24 VDC only

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	2 6		140 DAI 54300	2	
140 DAO 84010	2 6		Boards 16 O DIGITAL		
140 DRA 84000	2 6		140 DDO 84300	2 3 ⁽¹⁾	16 relays N ⁽¹⁾ / 16 opto N ⁽¹⁾

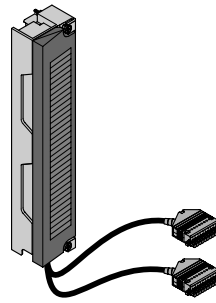
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/Quantum/2xOMN20/001	0029 996.17	0034 996.04			
1,5 m	FA150/Quantum/2xOMN20/001	0021 526.07	0027 526.05	FA150/Quantum/OMN20/003	0021 538.13	0027 538.11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

interfast 2

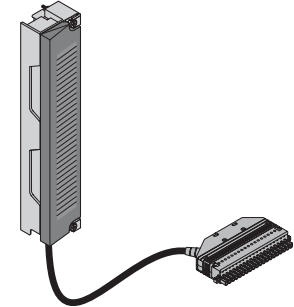
TSX PLC Quantum
Swing arm with cable and
Omniconnect connectors



Board 16 O DIGITAL



Board 12 O DIGITAL



⁽¹⁾ For 24 VDC only

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

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

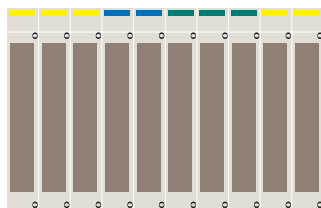
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

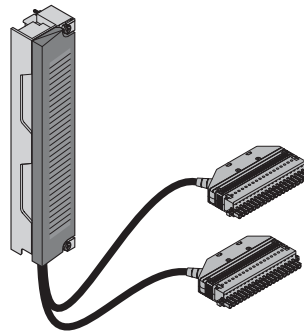
Type of interface connector	2 Omniconnect 12 points	1 Omniconnect 20 points
Wire size	0,34mm ² - 22 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	140 XTS 00200	140 XTS 00200

interfast 2

TSX PLC Quantum
Swing arm with cable and
Omniconnect connectors



Board 8 O DIGITAL



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

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

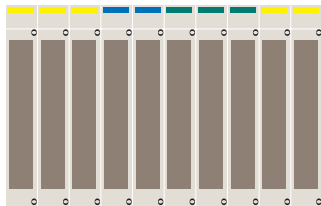
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

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

interfast 2

TSX PLC Quantum
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
Consult us

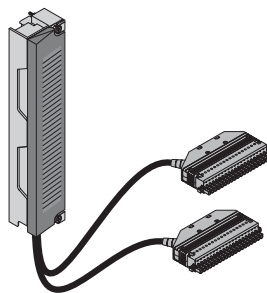
■ Accessories:
see section on ACCESSORIES

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

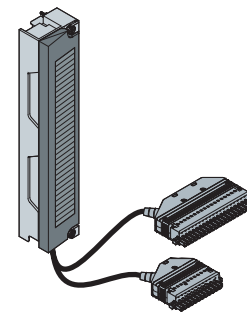
Characteristics

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

Board 16 I ANA



Board 8 I ANA



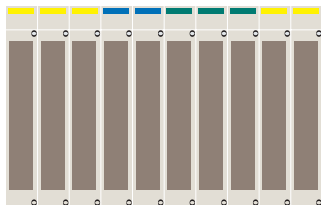
⁽¹⁾ For 24 VDC only

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

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

interfast 2

TSX PLC Quantum
Swing arm with cable and
Omniconnect connectors



■ Wire markers optional:
Consult us

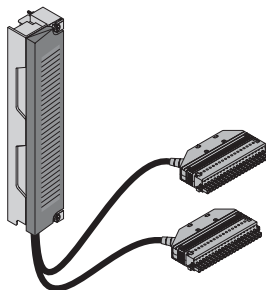
■ Accessories:
see section on ACCESSORIES

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

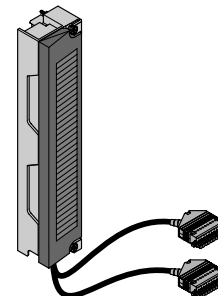
Characteristics

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	140 XTS 00200	140 XTS 00200

Board 8 I ANA Board 4 O ANA



Board 8 O ANA



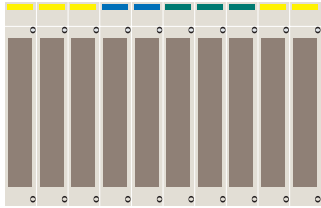
⁽¹⁾ For these references only :
0031 000.22, 0021 020.13, 0032 120.17

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

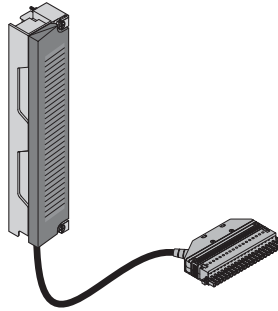
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m						
1,5 m	FA150/Quantum/2xOMN20/572	0036 540.20	0037 540.21	FA150/Quantum/2xOMN12/585	0036 608.01	0037 608.02
2 m	FA200/Quantum/2xOMN20/572	0036 541.15	0037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

interfast 2

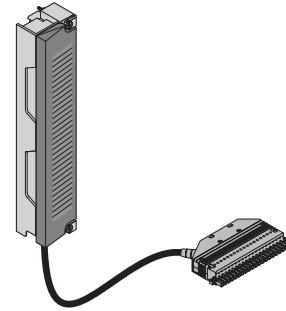
TSX PLC Quantum
Swing arm with cable and
Omniconnect connector.



Board 4 O ANA



Board 4 I / 2 O ANA



A
4

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

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	2		140 AMM 09000	2	

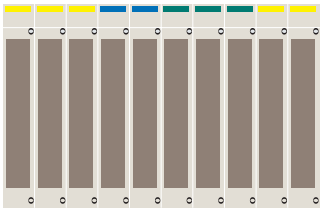
Length	Boards 4 O ANA			Boards 4 I / 2 O ANA		
	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Quantum/OMN20/570	0036 528.10	0037 528.11	FA150/Quantum/OMN20/663	0038 020.24	0039 020.25
2 m	FA200/Quantum/OMN20/570	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

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

interfast 2

TSX PLC Quantum
Swing arm with cable and
Omniconnect connector.



■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

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

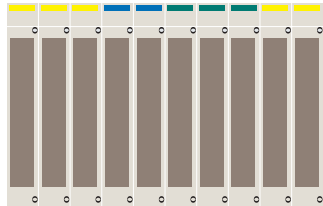
Length	Boards 4 O ANA			Boards 4 I / 2 O ANA		
	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m						
2 m						
2,5 m						
3 m						
4 m						
5 m						

Characteristics

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

interfast 2

TSX PLC Quantum
Swing arm with cable and
Sub D connector

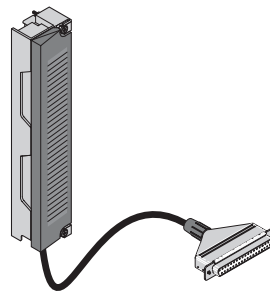


Wire markers optional:
Consult us

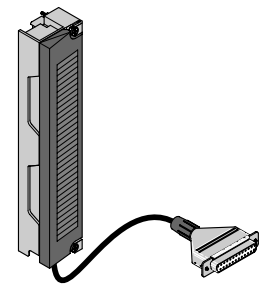
Accessories:
see section on ACCESSORIES

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

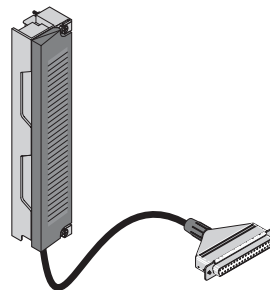


Wire markers optional:
Consult us

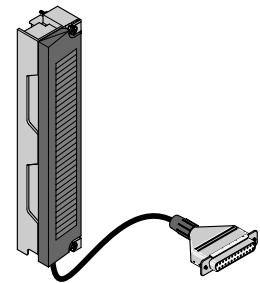
Accessories:
see section on ACCESSORIES

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				

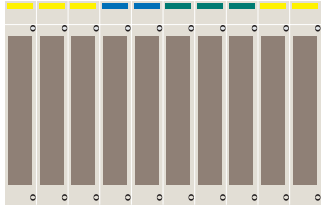
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Quantum/SubD 37/009	0021 568.21	0027 568.27	FA150/Quantum/SubD 25/584	0036 602.23	0037 602.24
2 m	FA200/Quantum/SubD 37/009	0021 569.22	0027 569.20	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

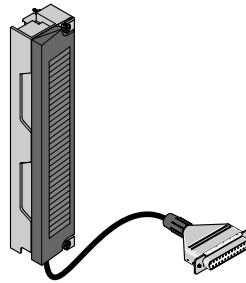
Type of interface connector	1 SubD 37 female points	1 SubD 25 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	140 XTS 00200	140 XTS 00200

interfast 2

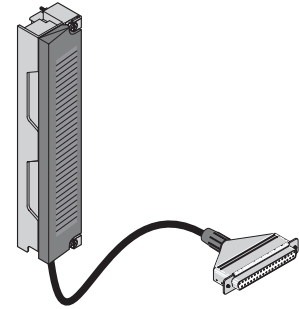
TSX PLC Quantum
Swing arm with cable and
Sub D connector



Board 4 O ANA



Board 4 O ANA



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

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Characteristics

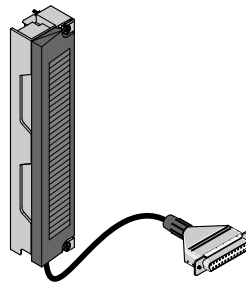
Type of interface connector	1 SubD 25 female points	1 SubD 37 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	140 XTS 00200	140 XTS 00200

interfast 2

TSX PLC Quantum
Swing arm with cable and
Sub D connector



Board 4 I / 2 O ANA



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

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

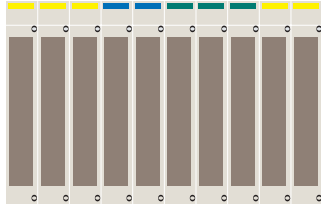
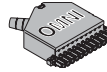
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

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

interfast 3

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



■ Wire markers optional:
Consult us

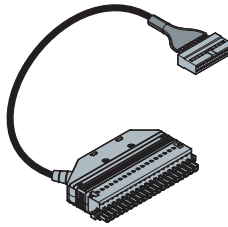
■ Accessories:
see section on ACCESSORIES

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

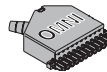
(1) Note : 6 cables per PLC board

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

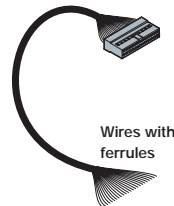
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LA100/HE10-20/OMN20/661/UL		0039 000.02			
1,5 m	LA150/HE10-20/OMN20/661/UL		0039 001.27			
2 m	LA200/HE10-20/OMN20/661/UL		0039 002.20			
2,5 m						
3 m	LA300/HE10-20/OMN20/661/UL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

interfast 3

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

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

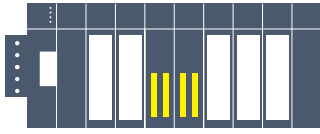
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

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

CONNECTION TECHNOLOGY SELECTION GUIDE

GE FANUC PLC 90 - 30
CEGELEC PLC 80 - 35



A
5

Multipurpose cable

See chapter
"Connection cables"



interfast 2
Swing arm pre-wired by ENTRELEC

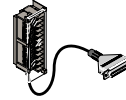
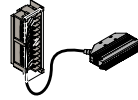
HDI High density range



STI standard range

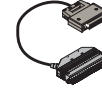


Sub D range Shielded cable



interfast 3
PLC used has a connector on the card

STI range cable



References

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

interfast 2



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

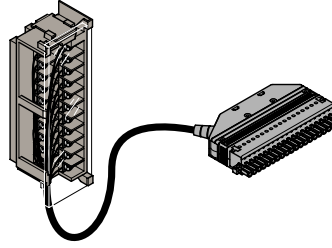


■ Wire markers optional:
Consult us

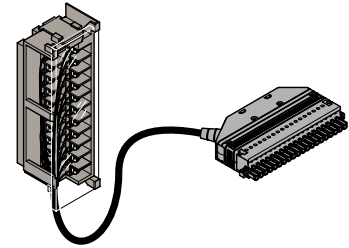
■ Accessories:
see section on ACCESSORIES

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

Board 16 I DIGITAL



Board 16 I DIGITAL



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

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

Characteristics

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

interfast 2



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

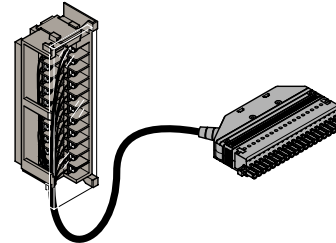


■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Board 16 O DIGITAL



WITH CONNECTOR
INTERFACE
COMMON BY GROUP OF 4

(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	2		IC 693 MDL 940	2 3 (1)	16 relays N/P(1) / 16 opto N/P(1)

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

Characteristics

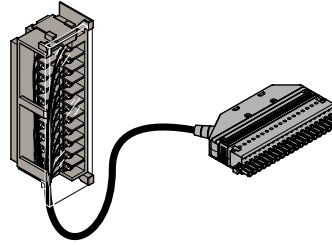
Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A	IC 693 ACC 311 A

interfast 2

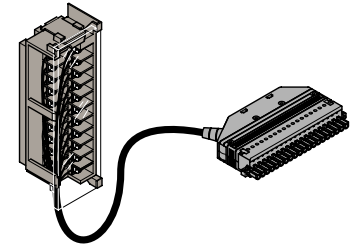
PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Omniconnect connectors



Board 16 O DIGITAL



Board 16 O DIGITAL Board 12 O DIGITAL



⁽¹⁾ For 24 VDC only

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

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Characteristics

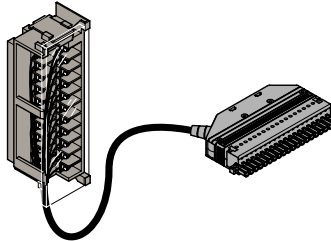
Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A	IC 693 ACC 311 A

interfast 2

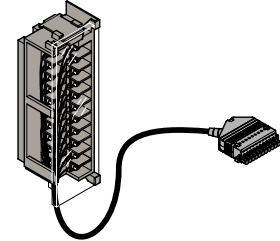
PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Omniconnect connectors



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



Board 8 I DIGITAL Board 8 O DIGITAL



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

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Characteristics

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

interfast 2

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

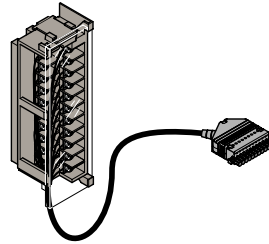


■ Wire markers optional:
Consult us

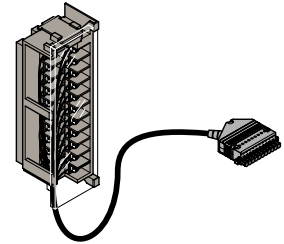
■ Accessories:
see section on ACCESSORIES

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

Board 8 I DIGITAL



Board 8 O DIGITAL



⁽¹⁾ For 24 VDC only

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

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

Characteristics

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

interfast 2

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

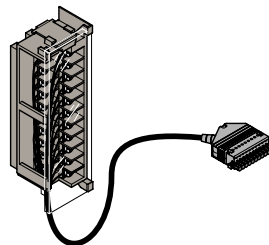


■ Wire markers optional:
Consult us

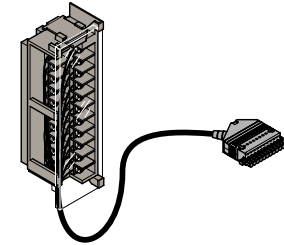
■ Accessories:
see section on ACCESSORIES

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		
IC 693 MDL 732	⁽¹⁾	8 Relays N ⁽¹⁾ / 8 Opto N ⁽¹⁾	IC 693 MDL 390		
IC 693 MDL 733		8 Relays N/P ⁽¹⁾ / 8 Opto N/P ⁽¹⁾			

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

Characteristics

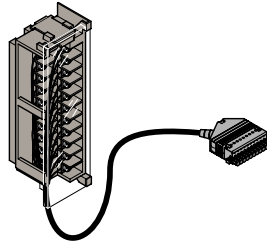
Type of interface connector	1 Omniconnect 12 points	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A	IC 693 ACC 311 A

interfast 2

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



Board 6 I DIGITAL



A
5

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

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

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

Characteristics

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

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

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

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

Characteristics

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

interfast 2

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

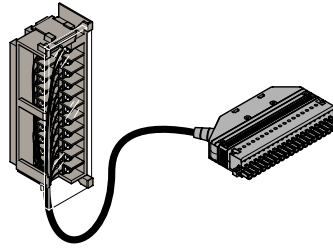


■ Wire markers optional:
Consult us

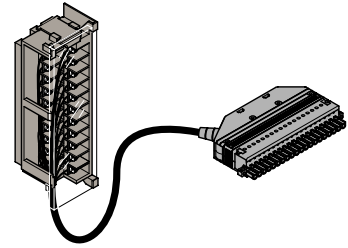
■ Accessories:
see section on ACCESSORIES

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

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



Board 16 S ANA
VOLTAGE



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

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

Characteristics

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

interfast 2

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

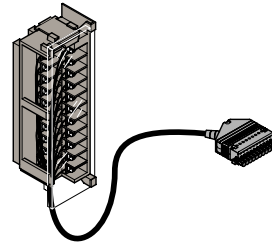


■ Wire markers optional:
Consult us

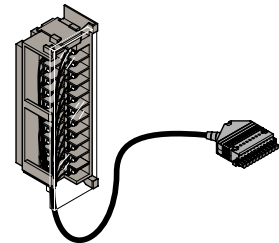
■ Accessories:
see section on ACCESSORIES

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

Board 16 S ANA
VOLTAGE



Boards 16 O ANA
CURRENT
Boards 4 I ANA



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

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

Characteristics

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

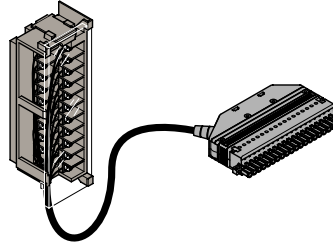
interfast 2



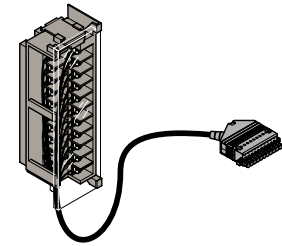
PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Omniconnect connectors



Board 6 I ANA



Board 4 I ANA Board 4 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 6 I ANA			Boards 4 I ANA		
HE 693 RTD 6XX	2		HE 693 ADC 405	0	
HE 693 THM 668	2		HE 693 ADC 410	0	
			HE 693 ADC 415	0	
			HE 693 ADC 420	0	
			Boards 4 O ANA		
			HE 693 DAC 410	0	

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Characteristics

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

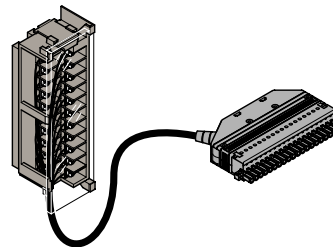
interfast 2



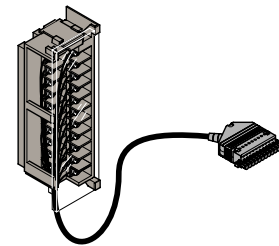
PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Omniconnect connectors



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



Board 2 O ANA



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

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Characteristics

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

interfast 2

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

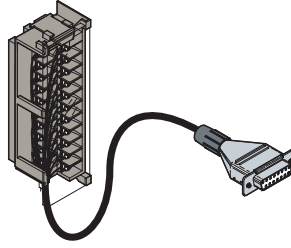


■ Wire markers optional:
Consult us

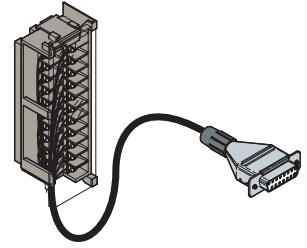
■ Accessories:
see section on ACCESSORIES

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



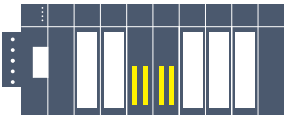
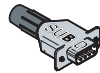
Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface	
Boards 16 O ANA IC 693 ALG 392	Sub D 15		Boards 16 O ANA IC 693 ALG 392	Sub D 15		
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC 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

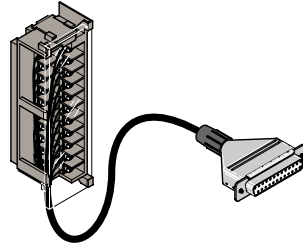


■ Wire markers optional:
Consult us

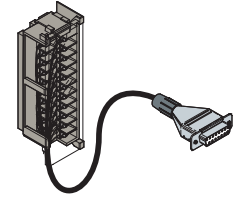
■ Accessories:
see section on ACCESSORIES

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



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface	
Boards 16 I ANA IC 693 ALG 222 IC 693 ALG 223	Sub D 25 Sub D 25		Boards 6 I ANA HE 693 THM 668	Sub D 15		
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

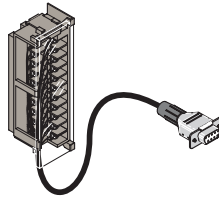
Type of interface connector	1 Sub D 25 female points	1 Sub D 15 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded AWG 22
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A	IC 693 ACC 311 A

interfast 2

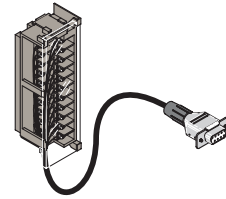
PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Sub D connectors



Board 4 I ANA Board 4 O ANA



Board 4 I ANA



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

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

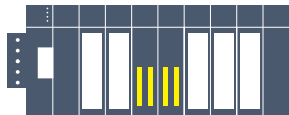
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

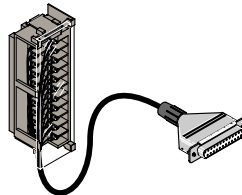
Type of interface connector	1 Sub D 9 female points	1 Sub D 9 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A	IC 693 ACC 311 A

interfast 2

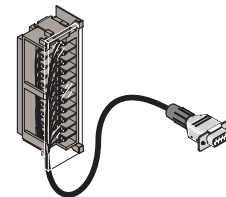
PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Sub D connectors



Board 4 I ANA



Board 2 O ANA



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

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

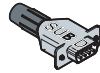
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

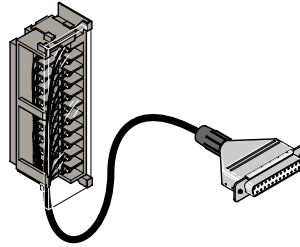
Type of interface connector	1 Sub D 25 female points	1 Sub D 9 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	IC 693 ACC 311 A	IC 693 ACC 311 A

interfast 2

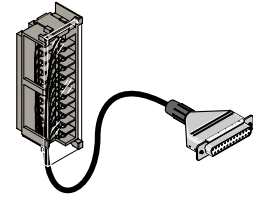
PLC GE FANUC 90-30
CEGELEC 80-35
Swing arm with cable and
Sub D connectors



Board 12 I / 4 O DIGITAL (Pulse Counter)



Board 2 O ANA



■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

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

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

Characteristics

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

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

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

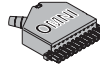
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

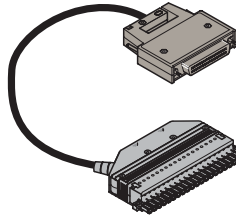
Type of interface connector		
Wire size		
Resistance/capacity cable		
PLC connector reference		

interfast 3

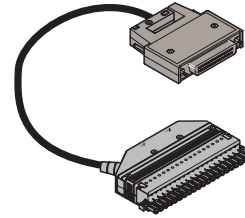
PLC GE FANUC 90-30
CEGELEC 80-35
PLC board with built-in
connector. Cable with
Omniconnect connector



Board 32 I DIGITAL



Board 32 I DIGITAL Board 32 O DIGITAL



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

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

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

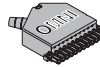
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	FA100/FUJITSU/OMN20/171/UL		0037 552.11	FA100/FUJITSU/OMN20/173/UL		0037 553.12
1,5 m	FA150/FUJITSU/OMN20/171/UL		0028 132.13	FA150/FUJITSU/OMN20/173/UL		0028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

Characteristics

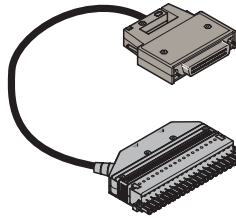
Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,14mm ² - 26 AWG	0,14mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	FUJITSU FCN-365P024-AU	FUJITSU FCN-365P024-AU

interfast 3

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



Board 32 O DIGITAL



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

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

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

Characteristics

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

interfast 2

Swing arm pre-wired by ENTRELEC

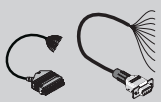
interfast 3

PLC used has a connector on the card



Multipurpose cable

See chapter
"Connection cables"



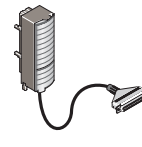
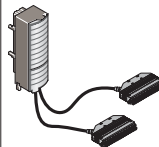
HDI High density range



STI standard range



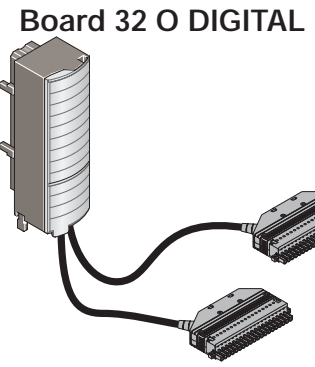
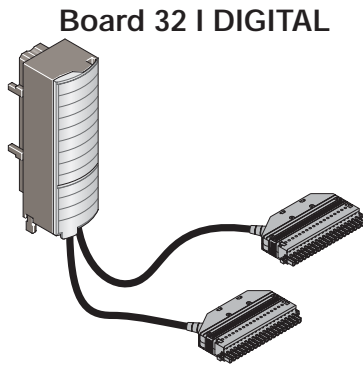
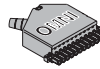
Sub D range Shielded cable



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

interfast 2

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



⁽¹⁾ For 24 VDC only

⁽¹⁾ For 24 VDC only

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

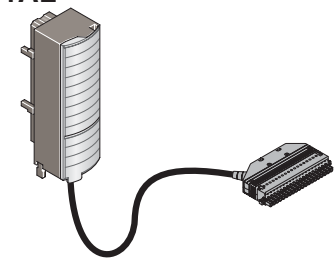
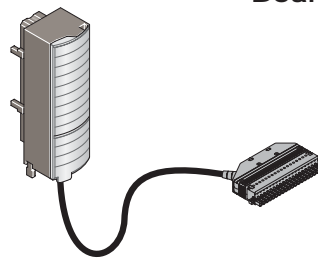
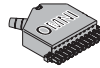
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Control Logix/2xOMN20/443	0029 732.25	0034 732.12	FA150/Control Logix/2xOMN20/444	0029 726.27	0034 726.14
2 m	FA200/Control Logix/2xOMN20/443	0029 733.26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

Characteristics

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

interfast 2

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



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	2		1756 - IB 16D	2 3 ⁽¹⁾	16 opto P ⁽¹⁾

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/CONTROL LOGIX/OMN20/443	0029 756.05	0034 756.22	FA150/CONTROL LOGIX/OMN20/444	0029 762.03	0034 762.20
2 m	FA200/CONTROL LOGIX/OMN20/443	0029 757.06	0034 757.23	FA200/CONTROL LOGIX/OMN20/444	0029 763.04	0034 763.21
2,5 m						
3 m	FA300/CONTROL LOGIX/OMN20/443	0029 759.10	0034 759.05	FA300/CONTROL LOGIX/OMN20/444	0029 765.06	0034 765.23
4 m						
5 m	FA500/CONTROL LOGIX/OMN20/443	0029 761.02	0034 761.27	FA500/CONTROL LOGIX/OMN20/444	0029 767.00	0034 767.25

Characteristics

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

interfast 2

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



■ Wire markers optional:
Consult us

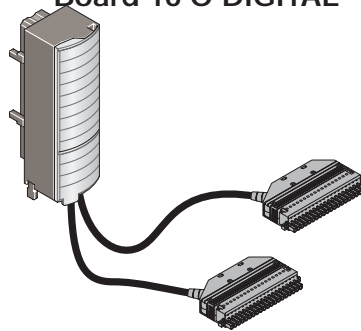
■ Accessories:
see section on ACCESSORIES

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

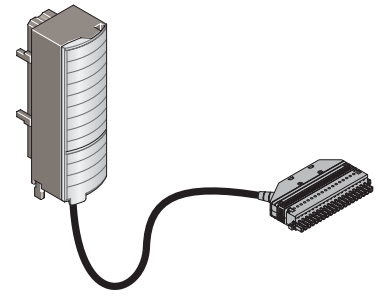
Characteristics

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

Board 16 I DIGITAL Board 16 O DIGITAL



Board 16 I DIGITAL



⁽¹⁾ For 24 VDC only

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

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

interfast 2

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



■ Wire markers optional:
Consult us

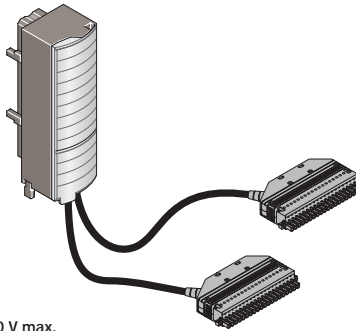
■ Accessories:
see section on ACCESSORIES

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

Characteristics

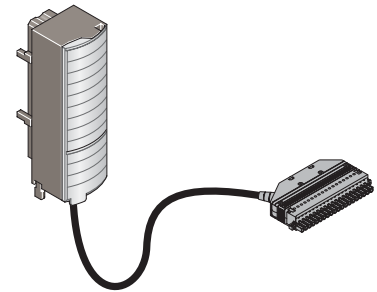
Type of interface connector	2 Omniconnect 20 points			1 Omniconnect 20 points		
Wire size	0,22mm ² - 24 AWG			0,22mm ² - 24 AWG		
Resistance/capacity cable	80 Ω/KM - 120 nF/KM			80 Ω/KM - 120 nF/KM		
PLC connector reference	1756 - TB CH			1756 - TB CH		

Board 16 O DIGITAL Board 8 O DIGITAL



⁽¹⁾ To 120 V max.

Board 16 O DIGITAL



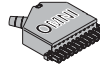
⁽¹⁾ For 24 VDC only

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

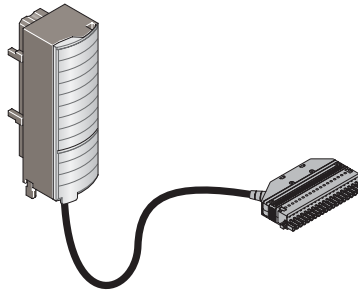
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Control Logix/2xOMN20/458	0029 738.03	0034 738.20	FA150/CONTROL LOGIX/OMN20/459	0029 744.01	0034 744.26
2 m	FA200/Control Logix/2xOMN20/458	0029 739.04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

interfast 2

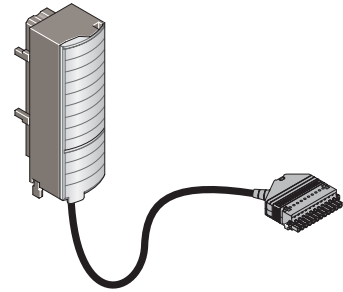
Allen Bradley® PLC Control Logix Swing arm with cable and Omnicconnect connectors



Board 16 O DIGITAL



Board 8 O DIGITAL Board 8 I DIGITAL



⁽¹⁾ For 24 VDC only

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

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

■ Wire markers optional: Consult us

■ Accessories: see section on ACCESSORIES

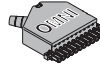
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

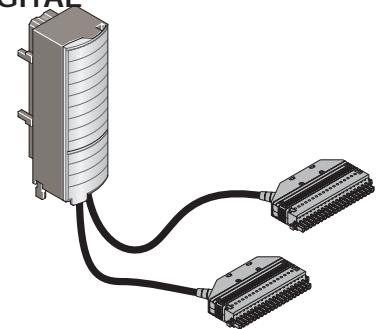
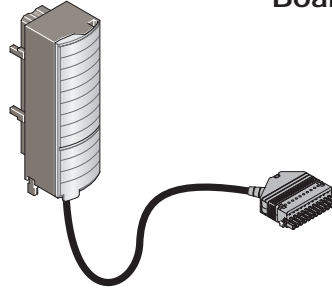
Type of interface connector	1 Omnicconnect 20 points	1 Omnicconnect 12 points
Wire size	0,22mm ² - 24 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	1756 - TB NH	1756 - TB NH

interfast 2

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



Board 8 O DIGITAL



COMMON BY GROUP OF 8

COMMON BY GROUP OF 1

⁽¹⁾ For 24 VDC only

⁽¹⁾ To 120 V max.

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O DIGITAL			Boards 8 O DIGITAL		
1756 - OB 8EI	0 1 ⁽¹⁾	8 Relays ⁽¹⁾ / 8 Opto ⁽¹⁾	1756 - OB 8EI	2 6	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/CONTROL LOGIX/OMN12/460	0029 750.13	0034 750.00	FA150/Control Logix/2xOMN20/458	0029 738.03	0034 738.20
2 m	FA200/CONTROL LOGIX/OMN12/460	0029 751.00	0034 751.25	FA200/Control Logix/2xOMN20/458	0029 739.04	0034 739.21
2,5 m						
3 m	FA300/CONTROL LOGIX/OMN12/460	0029 753.02	0034 753.27	FA300/Control Logix/2xOMN20/458	0029 741.06	0034 741.23
4 m						
5 m	FA500/CONTROL LOGIX/OMN12/460	0029 755.04	0034 755.21	FA500/Control Logix/2xOMN20/458	0029 743.00	0034 743.25

■ Wire markers optional: Consult us

■ Accessories: see section on ACCESSORIES

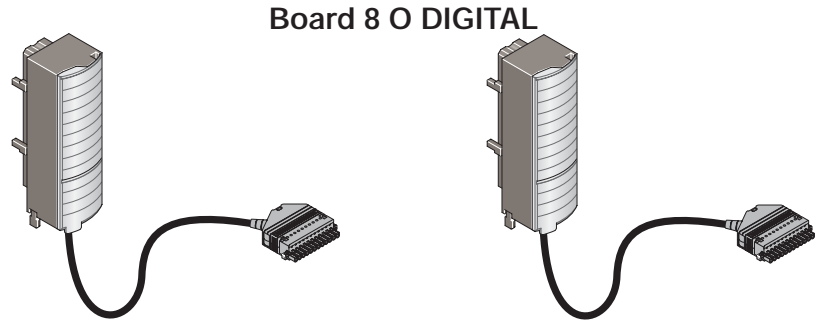
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	1 Omnicconnect 12 points	2 Omnicconnect 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



■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

(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		

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/CONTROL LOGIX/OMN12/454	0029 810.20	0034 810.15	FA150/CONTROL LOGIX/OMN12/455	0029 816.12	0034 816.07
2 m	FA200/CONTROL LOGIX/OMN12/454	0029 811.15	0034 811.02	FA200/CONTROL LOGIX/OMN12/455	0029 817.13	0034 817.00
2,5 m						
3 m	FA300/CONTROL LOGIX/OMN12/454	0029 813.17	0034 813.04	FA300/CONTROL LOGIX/OMN12/455	0029 819.25	0034 819.12
4 m						
5 m	FA500/CONTROL LOGIX/OMN12/454	0029 815.11	0034 815.06	FA500/CONTROL LOGIX/OMN12/455	0029 821.17	0034 821.04

Characteristics

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

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

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

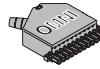
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

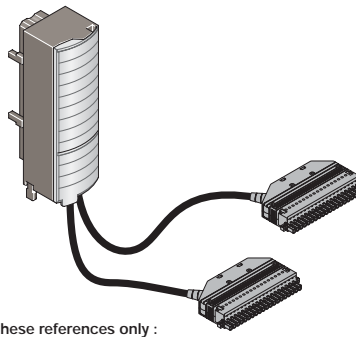
Type of interface connector	
Wire size	
Resistance/capacity cable	
PLC connector reference	

interfast 2

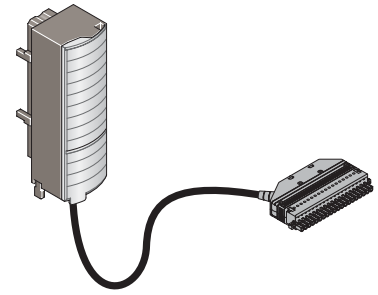
Allen Bradley® PLC
Control Logix
Swing arm with cable and
Omniconnect connectors



Board 16 I ANA



Board 8 I ANA



(1) For these references only :
0021 021.00, 0031 001.17, 0032 003.12

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I ANA			Boards 8 I ANA		
1756 - IF16			1756 - IF 8		



■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

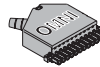
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Control Logix/2xOMN20/49	0036 060.22	0037 060.23	FA150/Control Logix/OMN20/492	0036 066.14	0037 066.15
2 m	FA200/Control Logix/2xOMN20/491	0036 061.17	0037 061.10	FA200/Control Logix/OMN20/492	0036 067.15	0037 067.16
2,5 m						
3 m	FA300/Control Logix/2xOMN20/491	0036 063.11	0037 063.12	FA300/Control Logix/OMN20/492	0036 069.27	0037 069.20
4 m						
5 m	FA500/Control Logix/2xOMN20/491	0036 065.13	0037 065.14	FA500/Control Logix/OMN20/492	0036 071.11	0037 071.12

Characteristics

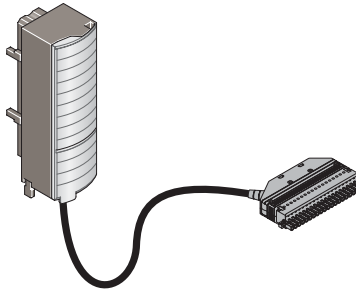
Type of interface connector	2 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	1756 - TB CH	1756 - TB CH

interfast 2

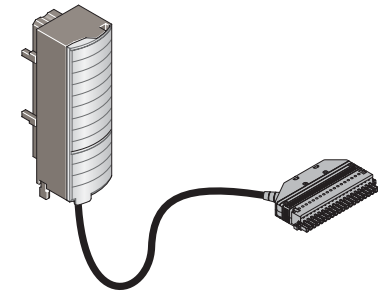
Allen Bradley® PLC
Control Logix
Swing arm with cable and
Omniconnect connectors



Board 8 O ANA



Board 6 I ANA Board 6 O ANA



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



■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

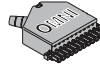
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Control Logix/OMN20/488	0036 042.14	0037 042.15	FA150/Control Logix/OMN20/490	0036 054.10	0037 054.11
2 m	FA200/Control Logix/OMN20/488	0036 043.15	0037 043.16	FA200/Control Logix/OMN20/490	0036 055.11	0037 055.12
2,5 m						
3 m	FA300/Control Logix/OMN20/488	0036 045.17	0037 045.10	FA300/Control Logix/OMN20/490	0036 057.13	0037 057.14
4 m						
5 m	FA500/Control Logix/OMN20/488	0036 047.11	0037 047.12	FA500/Control Logix/OMN20/490	0036 059.25	0037 059.26

Characteristics

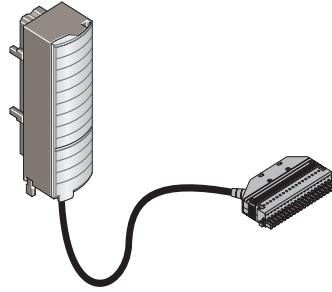
Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	1756 - TB NH	1756 - TB NH

interfast 2

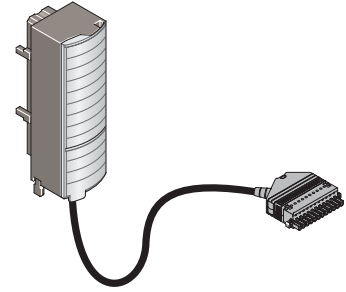
Allen Bradley® PLC
Control Logix
Swing arm with cable and
Omniconnect connectors



Board 4 I / 2 O ANA



Board 4 O ANA



■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 I / 2 O ANA			Boards 4 O ANA		
1756 - IF 4 FX O F2 F	2		1756 - OF 4	0	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Control Logix/OMN20/660	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

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

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

Characteristics

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

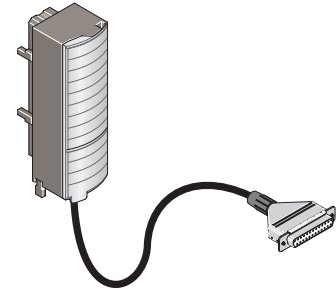
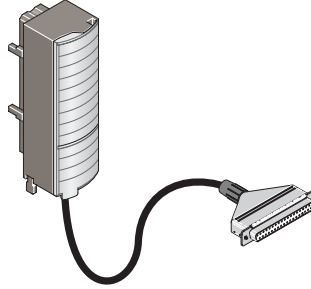
interfast 2

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



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	



A
6

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Control Logix/SUBD37/47	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

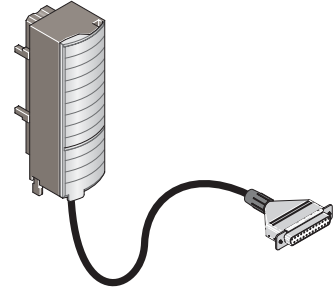
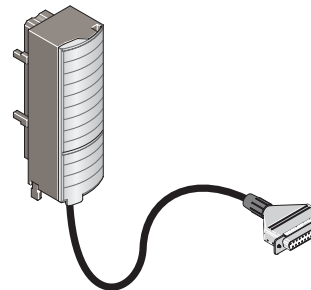
interfast 2

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



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 1756 - IR 6I 1756 - IF 6 CIS	Sub D 25 Sub D 25 Sub D 25	
			Boards 6 O ANA 1756 - OF 6 CI	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/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

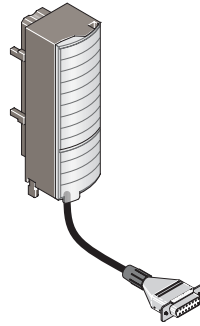


■ Wire markers optional:
Consult us

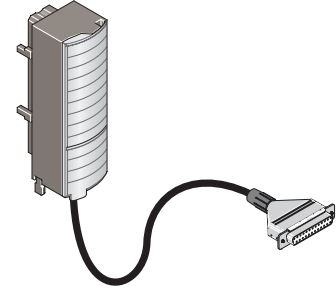
■ Accessories:
see section on ACCESSORIES

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

Board 6 O ANA



Board 4 I / 2 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 6 O ANA			Boards 4 I / 2 O ANA		
1756 - OF 6VI	Sub D 15		1756 - IF 4 FXO F2F	Sub D 25	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Control Logix/SUBD15/470	0029 888.23	0034 888.10	FA150/Control Logix/SUBD25/659	0036 991.01	0037 991.02
2 m	FA200/Control Logix/SUBD15/470	0029 889.24	0034 889.11	FA200/Control Logix/SUBD25/659	0036 992.02	0037 992.03
2,5 m						
3 m	FA300/Control Logix/SUBD15/470	0029 891.16	0034 891.03	FA300/Control Logix/SUBD25/659	0036 994.04	0037 994.05
4 m						
5 m	FA500/Control Logix/SUBD15/470	0029 893.10	0034 893.05	FA500/Control Logix/SUBD25/659	0036 996.06	0037 996.07

Characteristics

Type of interface connector	1 Sub D 15 female points	1 Sub D 25 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	1756 - TB NH	1756 - TB CH

interfast 2



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

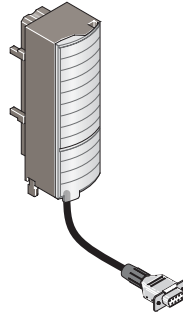


■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Board 4 O ANA



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

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/Control Logix/SUBD9/469	0029 882.15	0034 882.02			
2 m	FA200/Control Logix/SUBD9/469	0029 883.16	0034 883.03			
2,5 m						
3 m	FA300/Control Logix/SUBD9/469	0029 885.10	0034 885.05			
4 m						
5 m	FA500/Control Logix/SUBD9/469	0029 887.12	0034 887.07			

Characteristics

Type of interface connector	1 Sub D 9 female points
Wire size	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM
PLC connector reference	1756 - TB NH

CONNECTION TECHNOLOGY SELECTION GUIDE

Allen Bradley SLC 500



Multipurpose cable

See chapter
"Connection cables"



interfast 2

Swing arm pre-wired by ENTRELEC

HDI High density range



STI standard range



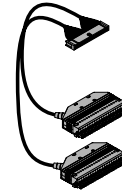
Sub D range Shielded cable



interfast 3

PLC used has a connector on the card

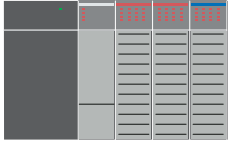
STI range cable



References

	See page	See page	See page
Boards 32I DIGITAL			
1746 - IB32			Page 105
1746 - IV32			Page 105
Boards 32O DIGITAL			
1746 - OB32			Page 105
1746 - OB32E			Page 105
1746 - OV32			Page 105
Boards 16I DIGITAL			
1746 - IA16	Page 101		
1746 - IB16	Page 101		
1746 - ITB16	Page 101		
1746 - IG16	Page 101		
1746 - IM16	Page 101		
1746 - IN16	Page 101		
1746 - IV16	Page 101		
1746 - ITV16	Page 101		
Boards 16O DIGITAL			
1746 - OA16	Page 101		
1746 - OB16	Page 101		
1746 - OBP16	Page 101		
1746 - OG16	Page 101		
1746 - OV16	Page 101		
1746 - OVP16	Page 101		
1746 - OW16	Page 102		
Boards 8O DIGITAL			
1746 - OX8	Page 102		
Boards 6I / 6O DIGITAL			
1746 - IO12	Page 102		
Boards 8I ANA			
1746 - NI8	Page 103	Page 104	
Boards 4O ANA			
1746 - NO4V	Page 103	Page 104	
1746 - NO4I	Page 103	Page 104	
Boards 4I ANA			
1746 - NI4	Page 103	Page 104	
Boards 2O / 2I ANA			
1746 - NI04I	Page 103	Page 104	
1746 - NI04V	Page 103	Page 104	

interfast 1
Allen Bradley® PLC
SLC 500
Swing arm adapted
with a connector



FAS SLC-1
1SNA 020 949 R0200



Wires with ferrules

Board 16 I DIGITAL
Board 8 I ANA

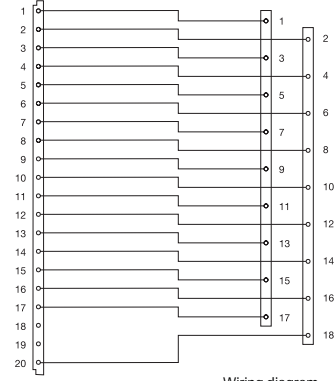
HE 10/20	Colour
1	White
2	Brown
3	Green
4	Yellow
5	Grey
6	Pink
7	Blue
8	Red
9	Black
10	Violet
11	Grey-Pink
12	Red-Blue
13	White-Green
14	Brown-Green
15	White-Yellow
16	Yellow-Brown
17	White-Grey
18	Grey-Brown
19	White-Pink
20	Pink-Brown

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

Type of cable	Reference with UL cables
LAF100/HE10-20/UNI/662/UL	1SNA 039 007 F0600
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 cable	Reference with UL cables
LA100/HE10-20/OMN20/661/UL	1SNA 039 000 F0200
LA150/HE10-20/OMN20/661/UL	1SNA 039 001 F2700
LA200/HE10-20/OMN20/661/UL	1SNA 039 002 F2000
LA300/HE10-20/OMN20/661/UL	1SNA 039 004 F2200
LA500/HE10-20/OMN20/661/UL	1SNA 039 006 F2400

Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL		
1746-IB16	2 3	16 opto P
1746-IN16	2 3 (1)	16 opto P (1)
1746-IV16	2 3	16 opto N/P
1746-ITV16	2 3	16 opto N/P
1746-ITB16	2 3	16 opto P
Boards 8 I ANA		
1746-NI8	2	
(1) For 24 VDC only		



Wiring diagram

- 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

interfast 1
Allen Bradley® PLC
SLC 500
Swing arm adapted
with a connector



FAS SLC-2
1SNA 020 950 R0700



Wires with ferrules

Board 16 I DIGITAL
Board 16 O DIGITAL

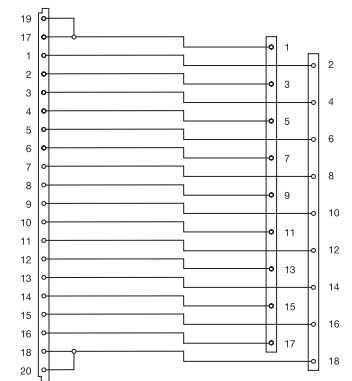
HE 10/20	Colour
1	White
2	Brown
3	Green
4	Yellow
5	Grey
6	Pink
7	Blue
8	Red
9	Black
10	Violet
11	Grey-Pink
12	Red-Blue
13	White-Green
14	Brown-Green
15	White-Yellow
16	Yellow-Brown
17	White-Grey
18	Grey-Brown
19	White-Pink
20	Pink-Brown

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

Type of cable	Reference with UL cables
LAF100/HE10-20/UNI/662/UL	1SNA 039 007 F0600
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 cable	Reference with UL cables
LA100/HE10-20/OMN20/661/UL	1SNA 039 000 F0200
LA150/HE10-20/OMN20/661/UL	1SNA 039 001 F2700
LA200/HE10-20/OMN20/661/UL	1SNA 039 002 F2000
LA300/HE10-20/OMN20/661/UL	1SNA 039 004 F2200
LA500/HE10-20/OMN20/661/UL	1SNA 039 006 F2400

Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL		
1746-IG16	2	
Boards 16 O DIGITAL		
1746-OB16	2 3 (1)	16 relay N ⁽¹⁾ /16 opto N ⁽¹⁾
1746-OB16E	2 3 (1)	16 relay N ⁽¹⁾ /16 opto N ⁽¹⁾
1746-OBP16	2 3	16 relay N /16 opto N
1746-OG16	2	
1746-OV16	2	16 relay P ⁽¹⁾ /16 opto P ⁽¹⁾
1746-OVP16	2	16 relay P / 16 opto P
(1) For 24 VDC only		



Wiring diagram

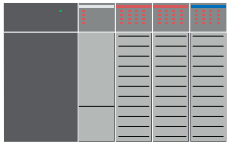
- Wire markers optional: Consult us
 - Accessories: see section on ACCESSORIES
- Recommended cable lengths in boldface type*

Characteristics

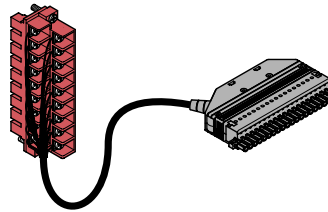
Max. voltage	60 V AC / DC
Maximum current per point	1 A
Maximum current in common	2 A
Test voltage	1 kV

interfast 2

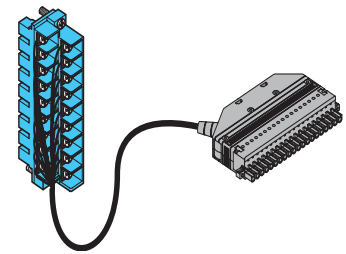
Allen Bradley® PLC
SLC 500
Swing arm with cable and
Omniconnect connectors



Board 16 I DIGITAL



Board 16 I DIGITAL



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL			Boards 16 I DIGITAL		
1746-IA 16	2		1746-IB 16	2 3	16 opto P ⁽¹⁾
1746-IM 16	2		1746-IN 16	2 3 ⁽¹⁾	16 opto P ⁽¹⁾
			1746-IV 16	2 3	
			1746-ITV 16	2 3	16 opto N/P
			1746-ITB 16	2 3	16 opto P ⁽¹⁾

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/SLC RT25R/OMN20/098	0021 610.27	0027 610.25	FA150/SLC RT25B/OMN20/099	0021 616.11	0027 616.17
2 m	FA200/SLC RT25R/OMN20/098	0021 611.14	0027 611.12	FA200/SLC RT25B/OMN20/099	0021 617.12	0027 617.10
2,5 m						
3 m	FA300/SLC RT25R/OMN20/098	0021 613.16	0027 613.14	FA300/SLC RT25B/OMN20/099	0021 619.24	0027 619.22
4 m						
5 m	FA500/SLC RT25R/OMN20/098	0021 615.10	0027 615.16	FA500/SLC RT25B/OMN20/099	0021 621.16	0027 621.14

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Characteristics

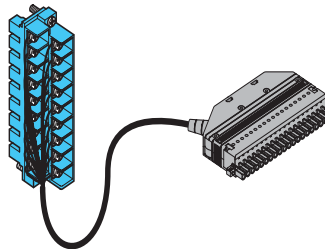
Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	1746-RT25R	1746-RT25B

interfast 2

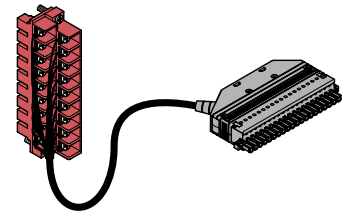
Allen Bradley® PLC
SLC 500
Swing arm with cable and Om-
niconnect connectors



Board 16 I DIGITAL Board 16 O DIGITAL



Board 16 O DIGITAL



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL			Boards 16 O DIGIT.		
1746-IG 16	2		1746-OA 16	2	
Boards 16 O DIGITAL					
1746-OV 16	2	16 Relays P ⁽¹⁾ / 16 opto P ⁽¹⁾			
1746-OB 16	2 3 ⁽¹⁾	16 Relays N ⁽¹⁾ / 16 opto N ⁽¹⁾			
1746-OG 16	2				
1746-OBP 16	2 3	16 Relays N / 16 opto N			
1746-OVP 16	2	16 Relays P / 16 opto P			

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/SLC RT25B/OMN20/100	0021 622.17	0027 622.15	FA150/SLC RT25R/OMN20/102	0021 634.13	0027 634.11
2 m	FA200/SLC RT25B/OMN20/100	0021 623.10	0027 623.16	FA200/SLC RT25R/OMN20/102	0021 635.14	0027 635.12
2,5 m						
3 m	FA300/SLC RT25B/OMN20/100	0021 625.12	0027 625.10	FA300/SLC RT25R/OMN20/102	0021 637.16	0027 637.14
4 m						
5 m	FA500/SLC RT25B/OMN20/100	0021 627.14	0027 627.12	FA500/SLC RT25R/OMN20/102	0021 639.20	0027 639.26

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

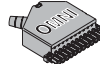
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

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

interfast 2

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

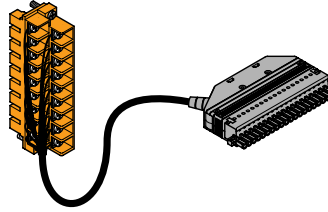


■ Wire markers optional:
Consult us

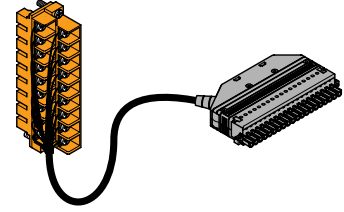
■ Accessories:
see section on ACCESSORIES

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

Board 16 O DIGITAL



Board 8 O DIGITAL



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 16 O DIGIT. 1746-OW 16		16 Relays N ⁽¹⁾ / 16 opto N ⁽¹⁾	Boards 8 O DIGITAL 1746-OX 8		

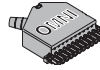
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/SLC RT25C/OMN20/103	0021 640.05	0027 640.03	FA150/SLC RT25C/OMN20/104	0021 646.27	0027 646.25
2 m	FA200/SLC RT25C/OMN20/103	0021 641.22	0027 641.20	FA200/SLC RT25C/OMN20/104	0021 647.20	0027 647.26
2,5 m						
3 m	FA300/SLC RT25C/OMN20/103	0021 643.24	0027 643.22	FA300/SLC RT25C/OMN20/104	0021 649.02	0027 649.00
4 m						
5 m	FA500/SLC RT25C/OMN20/103	0021 645.26	0027 645.24	FA500/SLC RT25C/OMN20/104	0021 651.24	0027 651.22

Characteristics

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

interfast 2

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

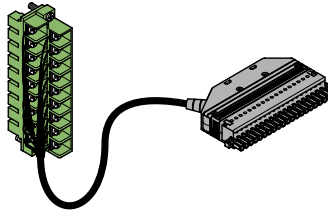


■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Board 6 I / 6 O DIGITAL



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

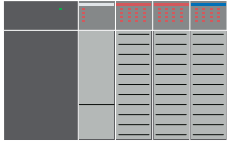
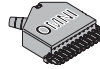
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/SLC RT25G/OMN20/105	0021 652.25	0027 652.23			
2 m	FA200/SLC RT25G/OMN20/105	0021 653.26	0027 653.24			
2,5 m						
3 m	FA300/SLC RT25G/OMN20/105	0021 655.20	0027 655.26			
4 m						
5 m	FA500/SLC RT25G/OMN20/105	0021 657.22	0027 657.20			

Characteristics

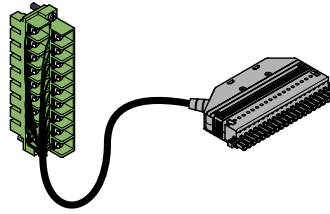
Type of interface connector	1 Omniconnect 20 points	
Wire size	0,22mm ² - 24 AWG	
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	
PLC connector reference	1746-RT25G	

interfast 2

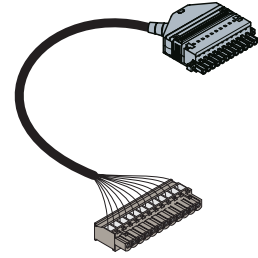
Allen Bradley® PLC
SLC 500
Swing arm with cable and
Omniconnect connectors



Board 8 I ANA



Board 4 I ANA Board 2 I / 2 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA			Boards 4 I ANA		
1746-NI8			1746-NI4		
			Board 2I/2O ANA		
			1746-NIO4I		
			1746-NIO4V		

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/SLC RT25G/OMN20/485	0036 024.02	0037 024.03	FA150/SLC RT28/OMN12/482	0036 006.11	0037 006.12
2 m	FA200/SLC RT25G/OMN20/485	0036 025.03	0037 025.04	FA200/SLC RT28/OMN12/482	0036 007.12	0037 007.13
2,5 m						
3 m	FA300/SLC RT25G/OMN20/485	0036 027.05	0037 027.06	FA300/SLC RT28/OMN12/482	0036 009.24	0037 009.25
4 m						
5 m	FA500/SLC RT25G/OMN20/485	0036 029.17	0037 029.10	FA500/SLC RT28/OMN12/482	0036 011.05	0037 011.06

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

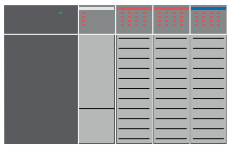
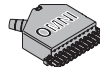
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

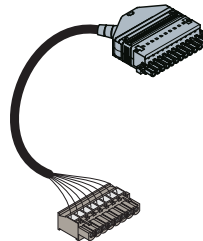
Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 12 points
Wire size	0,22mm ² - 24 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	1746-RT25G	1746-RT28

interfast 2

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



Board 4 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 O ANA					
1746-NO4V					
1746-NO4I					

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Characteristics

Type of interface connector	1 Omniconnect 12 points	
Wire size	0,34mm ² - 22 AWG	
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	
PLC connector reference	1746-RT27	

interfast 2

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

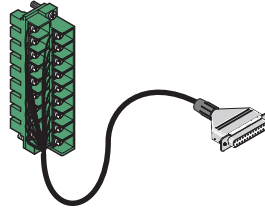


■ Wire markers optional:
Consult us

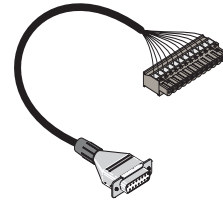
■ Accessories:
see section on ACCESSORIES

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

Board 8 I ANA



Board 4 I ANA Board 2 I / 2 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA			Boards 2 I / 2 O ANA		
1746-NI8	Sub D 25		1746-NI 04 I	Sub D 15	
			1746-NI 04 V	Sub D 15	
			Boards 4 I ANA		
			1746-NI 4	Sub D 15	

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/SLC RT25G/SUBD25/436	0029 702.00	0034 702.25	FA150/SLC RT28/SUBD15/096	0021 598.10	0027 598.16
2 m	FA200/SLC RT25G/SUBD25/436	0029 703.01	0034 703.26	FA200/SLC RT28/SUBD15/096	0021 599.11	0027 599.17
2,5 m						
3 m	FA300/SLC RT25G/SUBD25/436	0029 705.03	0034 705.20	FA300/SLC RT28/SUBD15/096	0021 601.23	0027 601.21
4 m						
5 m	FA500/SLC RT25G/SUBD25/436	0029 707.05	0034 707.22	FA500/SLC RT28/SUBD15/096	0021 603.25	0027 603.23

Characteristics

Type of interface connector	1 Sub D 25 female points	1 Sub D 15 female points
Wire size	0,34 mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	1746-RT25G	1746-RT28

interfast 2

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

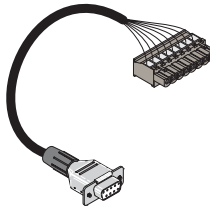


■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Board 4 O ANA



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 4 O ANA					
1746-NO 4 V	Sub D 9				
1746-NO 4 I	Sub D 9				

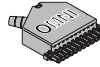
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/SLC RT27/SUBD9/097	0021 604.26	0027 604.24			
2 m	FA200/SLC RT27/SUBD9/097	0021 605.27	0027 605.25			
2,5 m						
3 m	FA300/SLC RT27/SUBD9/097	0021 607.21	0027 607.27			
4 m						
5 m	FA500/SLC RT27/SUBD9/097	0021 609.03	0027 609.01			

Characteristics

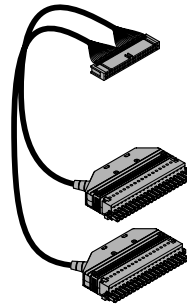
Type of interface connector	1 Sub D 9 female points
Wire size	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM
PLC connector reference	1746-RT27

interfast 3

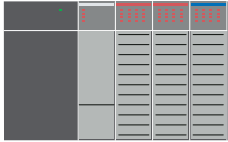
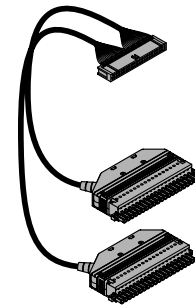
Allen Bradley® PLC
SLC 500
PLC board with built-in
connector. Cable with
Omniconnect connector



Board 32 I DIGITAL



Board 32 O DIGITAL



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⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 32 I DIGITAL			Boards 32 O DIGITAL		
1746-IB32	2 3 6 7	16 opto P	1746-OB32	2 3 6 7 ⁽¹⁾	16 Relays N ⁽¹⁾ / 16 opto N ⁽¹⁾
1746-IV32	2 6	16 opto N/P	1746-OB32 E	2 3 6 7	16 Relays N / 16 opto N
			1746-OV32	2 6	16 Relays P ⁽¹⁾ / 16 opto P ⁽¹⁾

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LA100/HE10-40/2xOMN20/154/UL		0037 560.25	LA100/HE10-40/2xOMN20/153/UL		0037 559.20
1,5 m	LA150/HE10-40/2xOMN20/154/UL		0028 030.24	LA150/HE10-40/2xOMN20/153/UL		0028 024.12
2 m	LA200/HE10-40/2xOMN20/154/UL		0028 031.11	LA200/HE10-40/2xOMN20/153/UL		0028 025.13
2,5 m						
3 m	LA300/HE10-40/2xOMN20/154/UL		0028 033.13	LA300/HE10-40/2xOMN20/153/UL		0028 027.15
4 m						
5 m	LA500/HE10-40/2xOMN20/154/UL		0028 035.15	LA500/HE10-40/2xOMN20/153/UL		0028 029.27

Characteristics

Type of interface connector	2 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,14mm ² - 26 AWG	0,14mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	1 HE 10/40 points	1 HE 10/40 points

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

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

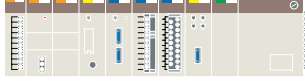
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	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



A
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Multipurpose cable

See chapter
"Connection cables"



interfast 2
Swing arm pre-wired by ENTRELEC

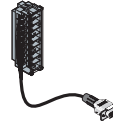
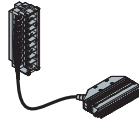
HDI High density range



STI standard range

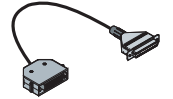
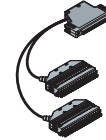
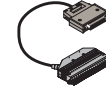


Sub D range Shielded cable



interfast 3
PLC used has a connector on the card

Shielded Sub D cable

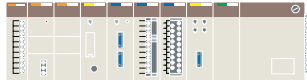


References

	See page	See page	See page	See page
Boards 96 I DIGITAL				
CS1W - ID 291				Page 111
Boards 96 O DIGITAL				
CS1W - OD 291				Page 111
CS1W - OD 292				Page 111
Boards 64 I DIGITAL				
C200H - ID 111 / 217 / 219				Page 113
Boards 64 O DIGITAL				
C200H - OD 219				Page 113
CS1W - OD 262				Page 113
Boards 48 I / 48 O DIGITAL				
CS1W - MD 291				Page 112
CS1W - MD 292				Page 112
Boards 32 I DIGITAL				
C200H - ID 215				Page 113
C200H - ID 216 / 218				Page 113
C200H - ID 501				Page 113
Boards 32 O DIGITAL				
C200H - OD 215				Page 113
C200H - OD 218				Page 113
C200H - OD 501				Page 113
C200H - OD 21B				Page 113
Boards 16 I / 16 O DIGITAL				
C200H - MD 115 / 215 / 501				Page 113
Boards 16 I DIGITAL				
C200H - IA 122 / 222		Page 107		
C200H - ID 212		Page 107		
C200H - IM 212		Page 107		
Boards 16 O DIGITAL				
C200H - OC 224 / 225 / 226		Page 107		
C200H - OD 21A / 212		Page 107		
Boards 12 O DIGITAL				
C200H - OA 222V / 224		Page 107		
C200H - OC 222		Page 107		
C200H - OD 211		Page 107		
C200H - OD 217		Page 107		
Boards 8 I DIGITAL				
C200H - IA 121 / 221		Page 108		
C200H - ID 211		Page 108		
C200H - IM 211		Page 108		
C200H - INT 01		Page 108		
Boards 8 O DIGITAL				
C200H - OA 122-E		Page 108		
C200H - OA 221 / 223		Page 108		
C200H - OC 221		Page 108		
C200H - OC 224V		Page 107		
C200H - OD 213 / 214 / 216 / 411		Page 108		
C200HS - INT 01		Page 108		
Boards 5 O DIGITAL				
C200H - OC 223		Page 108		
Boards 8 I ANA				
C200H - AD 002				Page 114
Boards 8 O ANA				
C200H - DA 002	Page 109	Page 110		

interfast 2

Omron PLC C200H
Swing arm with cable and
Omniconnect connector

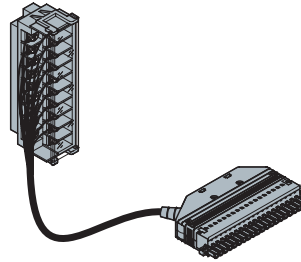


■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

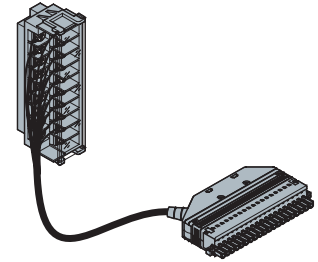
Board 16 I DIGITAL



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface
Boards 16 I DIGITAL		
C200H - IA 122		
C200H - IA 222		
C200H - ID 212		16 opto N/P
C200H - IM 212	⁽¹⁾	16 opto N/P

Board 16 O DIGITAL Board 8 O DIGITAL



⁽¹⁾ For 24 VDC only

⁽²⁾ Negative common

Type of board	Connector interface	Decoupling interface
Boards 16 O DIGITAL		
C200H - OC 224		
C200H - OC 225	⁽¹⁾	16 Relays P ⁽¹⁾⁽²⁾ /16 opto P ⁽¹⁾⁽²⁾
C200H - OD 212		16 Relays P/16 opto P
C200H - OD 21A		
C200H - OC 226		
Boards 8 O DIGITAL		
C200H - OC 224V		

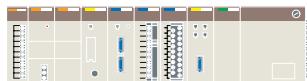
Length	Boards 16 I DIGITAL			Boards 16 O DIGITAL		
	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/C200H/OMN20/273	0026 774.24	0028 774.06	FA150/C200H/OMN20/273	0026 774.24	0028 774.06
2 m	FA200/C200H/OMN20/273	0026 775.25	0028 775.07	FA200/C200H/OMN20/273	0026 775.25	0028 775.07
2,5 m						
3 m	FA300/C200H/OMN20/273	0026 777.27	0028 777.01	FA300/C200H/OMN20/273	0026 777.27	0028 777.01
4 m						
5 m	FA500/C200H/OMN20/273	0026 779.01	0028 779.13	FA500/C200H/OMN20/273	0026 779.01	0028 779.13

Characteristics

Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	C200H - PAR - PTC 219	C200H - PAR - PTC 219

interfast 2

Omron PLC C200H
Swing arm with cable and
Omniconnect connector

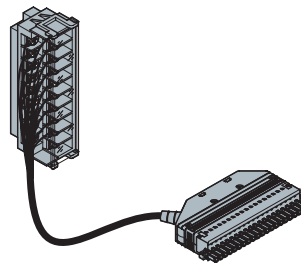


■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Boards 12 O DIGITAL

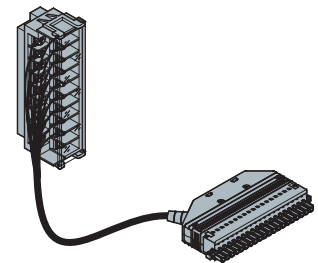


⁽¹⁾ For 24 VDC only

⁽²⁾ Negative common

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

Board 12 O DIGITAL



⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface
Boards 12 O DIGITAL		
C200H-OD217	⁽¹⁾	12 Relays N/P ⁽¹⁾

Length	Boards 12 O DIGITAL			Board 12 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/C200H/OMN20/272	0026 768.06	0028 768.10	FA150/C200H/OMN20/292	0026 888.10	0028 888.22
2 m	FA200/C200H/OMN20/272	0026 769.07	0028 769.11	FA200/C200H/OMN20/292	0026 889.11	0028 889.23
2,5 m						
3 m	FA300/C200H/OMN20/272	0026 771.21	0028 771.03	FA300/C200H/OMN20/292	0026 891.03	0028 891.15
4 m						
5 m	FA500/C200H/OMN20/272	0026 773.23	0028 773.05	FA500/C200H/OMN20/292	0026 893.05	0028 893.17

Characteristics

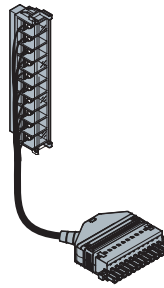
Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,22mm ² - 24 AWG	0,22mm ² - 24 AWG
Resistance/capacity cable	80 Ω/KM - 120 nF/KM	80 Ω/KM - 120 nF/KM
PLC connector reference	C200H - PAR - PTC 219	C200H - PAR - PTC 219

interfast 2

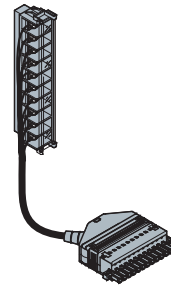


Omron PLC C200H
Swing arm with cable and
Omniconnect connector

Board 8 I DIGITAL

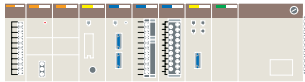


Board 8 O DIGITAL



⁽¹⁾ For 24 VDC only

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



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface	
Boards 8 I DIGITAL			Boards 8 O DIGITAL			
C200H - IA 121			C200H - OA 221			
C200H - IA 221			C200H - OA 223			
C200H - ID 211		8 opto N/P ⁽¹⁾	C200H - OA 122-E			
C200H - IM 211		8 opto N/P ⁽¹⁾	C200H - OC 221		8 Relays P ⁽¹⁾⁽²⁾	
C200H - INT 01		8 opto N/P ⁽¹⁾	C200H - OD 213		8 Relays P	
			C200H - OD 214		8 Relays N	
			C200H - OD 216			
			C200H - OD 411		8 Relays N/P ⁽¹⁾	
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/C200H/OMN12/274	0026 780.27	0028 780.01	FA150/C200H/OMN12/274	0026 780.27	0028 780.01
2 m	FA200/C200H/OMN12/274	0026 781.14	0028 781.26	FA200/C200H/OMN12/274	0026 781.14	0028 781.26
2,5 m						
3 m	FA300/C200H/OMN12/274	0026 783.16	0028 783.20	FA300/C200H/OMN12/274	0026 783.16	0028 783.20
4 m						
5 m	FA500/C200H/OMN12/274	0026 785.10	0028 785.22	FA500/C200H/OMN12/274	0026 785.10	0028 785.22

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Characteristics

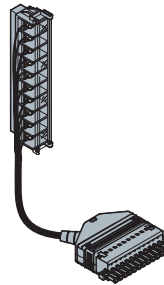
Type of interface connector	1 Omnicontact 12 points	1 Omnicontact 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	C200H - PAR - EPTC 210B	C200H - PAR - EPTC 210B

interfast 2

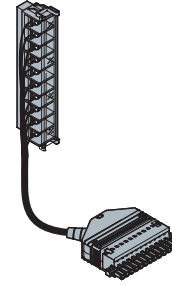


Omron PLC C200H
Swing arm with cable and
Omniconnect connector

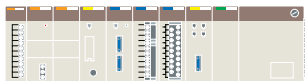
Board 8 O DIGITAL



Board 5 O DIGITAL



⁽¹⁾ For 24 VDC only



Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface	
Boards 8 O DIGITAL			Boards 5 O DIGITAL			
C200HS - INT 01		8 opto N/P ⁽¹⁾	C200H - OC 223			
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/C200H/OMN12/274	0026 780.27	0028 780.01	FA150/C200H/OMN12/275	0026 786.11	0028 786.23
2 m	FA200/C200H/OMN12/274	0026 781.14	0028 781.26	FA200/C200H/OMN12/275	0026 787.12	0028 787.24
2,5 m						
3 m	FA300/C200H/OMN12/274	0026 783.16	0028 783.20	FA300/C200H/OMN12/275	0026 789.24	0028 789.06
4 m						
5 m	FA500/C200H/OMN12/274	0026 785.10	0028 785.22	FA500/C200H/OMN12/275	0026 791.16	0028 791.20

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Characteristics

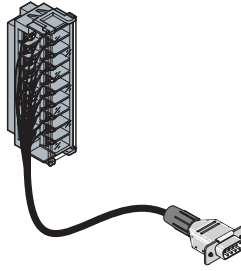
Type of interface connector	1 Omnicontact 12 points	1 Omnicontact 12 points
Wire size	0,34mm ² - 22 AWG	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	C200H - PAR - EPTC 210 B	C200H - PAR - EPTC 210 B

interfast 2

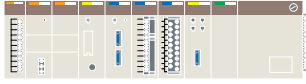
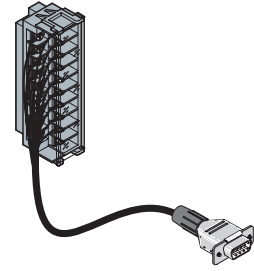
Omron PLC C200H
Swing arm with cable and
Sub D connector



Boards 8 O ANA Current Output



Board 8 S ANA Voltage source



A
7

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 O ANA C200H - DA 002	SubD9		Boards 8 S ANA C200H - DA 002	SubD9	

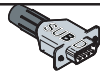
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/C200H/SubD9/348	0029 620.01	0034 620.26	FA150/C200H/SubD9/347	0029 614.27	0034 614.14
2 m	FA200/C200H/SubD9/348	0029 621.26	0034 621.13	FA200/C200H/SubD9/347	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

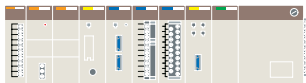
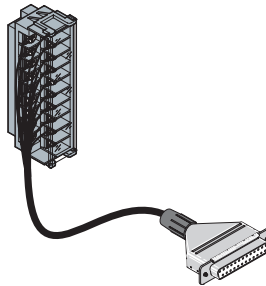
Type of interface connector	1 Sub D 9 points female	1 Sub D 9 points female
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
PLC connector reference	C200H - PAR - PTC 219	C200H - PAR - PTC 219

interfast 2

Omron PLC C200H
Swing arm with cable and
Sub D connector



Board 8 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 S ANA C200H - DA 002	SubD25				

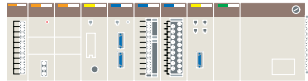
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/C200H/SubD25/349	0029 608.12	0034 608.07			
2 m	FA200/C200H/SubD25/349	0029 609.13	0034 609.00			
2,5 m						
3 m	FA300/C200H/SubD25/349	0029 611.24	0034 611.11			
4 m						
5 m	FA500/C200H/SubD25/349	0029 613.26	0034 613.13			

Characteristics

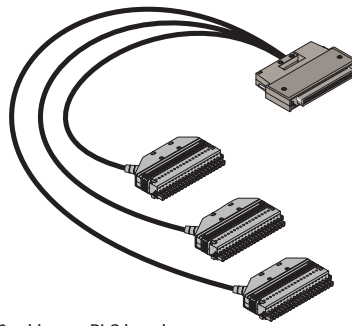
Type of interface connector	1 Sub D 25 points female	
Wire size	0,34mm ² - Shielded 22 AWG	
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	
PLC connector reference	C200H - PAR - PTC 219	

interfast 3

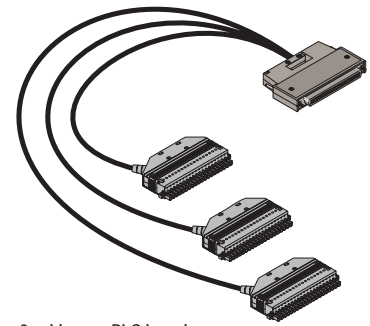
Omron PLC C200H
PLC board with built-in
connector. Cable with
Omnicconnect connector



Board 96 I DIGITAL



Board 96 O DIGITAL



Note : 2 cables per PLC board

Note : 2 cables per PLC board

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 96 I DIGITAL			Boards 96 O DIGITAL		
CS1W-ID291	2 3 6 7	16 opto N/P	CS1W-OD291	2 3 6 7	16 relays P / 16 opto P

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

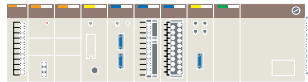
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/OMRON/3xOMN20/594/UL		0037 234.12	FA150/OMRON/3xOMN20/593/UL		0037 240.04
2 m	FA200/OMRON/3xOMN20/594/UL		0037 235.13	FA200/OMRON/3xOMN20/593/UL		0037 241.21
2,5 m						
3 m	FA300/OMRON/3xOMN20/594/UL		0037 237.15	FA300/OMRON/3xOMN20/593/UL		0037 243.23
4 m						
5 m	FA500/OMRON/3xOMN20/594/UL		0037 239.27	FA500/OMRON/3xOMN20/593/UL		0037 245.25

Characteristics

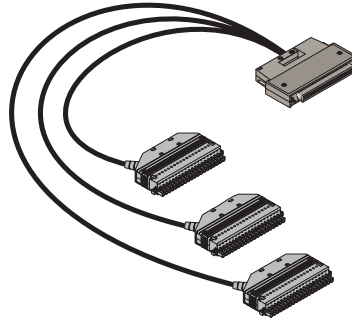
Type of interface connector	3 Omnicconnect 20 points	3 Omnicconnect 20 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	Fujitsu 56 points	Fujitsu 56 points

interfast 3

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



Board 96 O DIGITAL



Note : 2 cables per PLC board

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

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

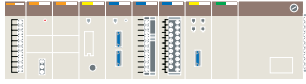
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/OMRON/3xOMN20/592/UL		0037 192.01			
2 m	FA200/OMRON/3xOMN20/592/UL		0037 193.02			
2,5 m						
3 m	FA300/OMRON/3xOMN20/592/UL		0037 195.04			
4 m	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

Characteristics

Type of interface connector	3 Omnicconnect 20 points	
Wire size	0,14 mm ² - 26 AWG	
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	
PLC connector reference	Fujitsu 56 points	

interfast 3

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



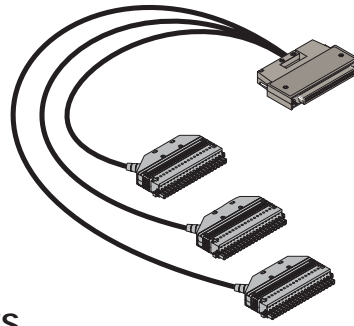
A
7

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Board 48 I / 48 O DIGITAL



INPUTS

OUTPUTS

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 48I/48O DIG.			Boards 48I/48O DIG.		
CS1W-MD291	2 3 6 7	16 opto N/P	CS1W-MD291	2 3 6 7	16 relays P / 16 opto P

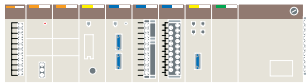
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/OMRON/3xOMN20/594/UL		0037 234.12	FA150/OMRON/3xOMN20/593/UL		0037 240.04
2 m	FA200/OMRON/3xOMN20/594/UL		0037 235.13	FA200/OMRON/3xOMN20/593/UL		0037 241.21
2,5 m						
3 m	FA300/OMRON/3xOMN20/594/UL		0037 237.15	FA300/OMRON/3xOMN20/593/UL		0037 243.23
4 m						
5 m	FA500/OMRON/3xOMN20/594/UL		0037 239.27	FA500/OMRON/3xOMN20/593/UL		0037 245.25

Characteristics

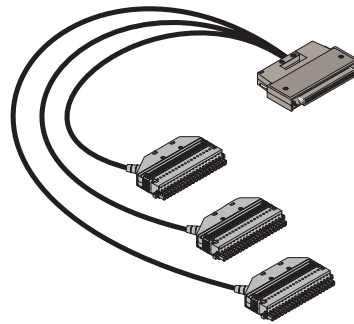
Type of interface connector	3 Omnicconnect 20 points	3 Omnicconnect 20 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	Fujitsu 56 points	Fujitsu 56 points

interfast 3

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



Board 48 I / 48 O DIGITAL



INPUTS

OUTPUTS

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 48I/48O DIG.			Boards 48I/48O DIG.		
CS1W-MD292	2 3 6 7	16 opto N/P	CS1W-MD292	2 3 6 7	16 relays N / 16 opto N

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/OMRON/3xOMN20/594/UL		0037 234.12	FA150/OMRON/3xOMN20/592/UL		0037 192.01
2 m	FA200/OMRON/3xOMN20/594/UL		0037 235.13	FA200/OMRON/3xOMN20/592/UL		0037 193.02
2,5 m						
3 m	FA300/OMRON/3xOMN20/594/UL		0037 237.15	FA300/OMRON/3xOMN20/592/UL		0037 195.04
4 m						
5 m	FA500/OMRON/3xOMN20/594/UL		0037 239.27	FA500/OMRON/3xOMN20/592/UL		0037 197.06

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

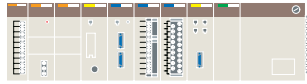
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

Type of interface connector	3 Omnicconnect 20 points	3 Omnicconnect 20 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	Fujitsu 56 points	Fujitsu 56 points

interfast 3

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

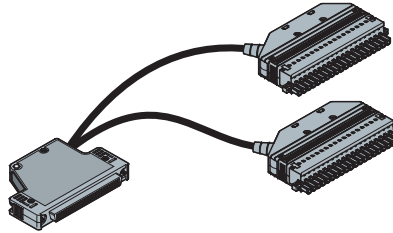


■ Wire markers optional:
Consult us

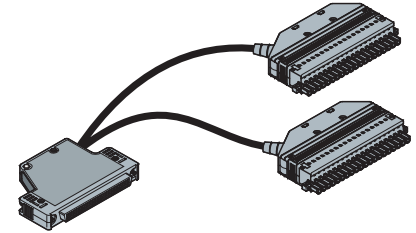
■ Accessories:
see section on ACCESSORIES

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

Board 64 I DIGITAL Board 32 I DIGITAL



Board 64 O DIGITAL Board 32 O DIGITAL



⁽²⁾ Note : 2 cables per PLC board

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

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 64 I DIGITAL			Boards 64 O DIGITAL		
C200H - ID 111 ⁽²⁾	2 6		C200H - OD 219 ⁽²⁾	2 6	16 relays P ⁽¹⁾ / 16 opto P ⁽¹⁾
C200H - ID 217 ⁽²⁾	2 3 6 7	16 opto N/P	CS1W - OD 262 ⁽²⁾	2 6	16 relays N / 16 opto N
C200H - ID 219 ⁽²⁾	2 3 6 7	16 opto N/P	Boards 32 O DIGITAL		
Boards 32 I DIGITAL			C200H - OD 218	2 6	16 relays P ⁽¹⁾ / 16 opto P ⁽¹⁾
C200H - ID 216	2 3 6 7	16 opto N/P	C200H - OD 21B	2 6	16 relays N / 16 opto N
C200H - ID 218	2 3 6 7	16 opto N/P			

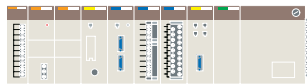
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/OMRON/2xOMN20/269/UL		0028 750.12	FA150/OMRON/2xOMN20/270/UL		0028 756.04
2 m	FA200/OMRON/2xOMN20/269/UL		0028 751.07	FA200/OMRON/2xOMN20/270/UL		0028 757.05
2,5 m						
3 m	FA300/OMRON/2xOMN20/269/UL		0028 753.01	FA300/OMRON/2xOMN20/270/UL		0028 759.17
4 m						
5 m	FA500/OMRON/2xOMN20/269/UL		0028 755.03	FA500/OMRON/2xOMN20/270/UL		0028 761.01

Characteristics

Type of interface connector	2 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	Fujitsu 40 points	Fujitsu 40 points

interfast 3

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

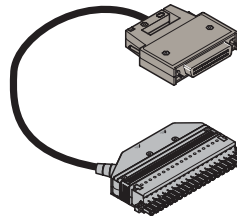


■ Wire markers optional:
Consult us

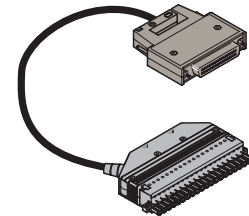
■ Accessories:
see section on ACCESSORIES

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

Board 32 I DIGITAL Board 32 O DIGITAL



Board 16 I / 16 O DIGITAL



⁽²⁾ Note : 2 cables per PLC board
⁽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 32 I DIGITAL			Boards 16I/16O DIGI.		
C200H - ID 215 ⁽²⁾	2 3 6 7	16 opto N/P	C200H - MD 115 ⁽²⁾	2 3	16 relays P ⁽¹⁾
C200H - ID 501 ⁽²⁾	2 6				16 opto P ⁽¹⁾
Boards 32 O DIGITAL			C200H - MD 215 ⁽²⁾	2 3 6 7	16 relays P
C200H - OD 215 ⁽²⁾	2 6	16 relays P ⁽¹⁾ /16 opto P ⁽¹⁾	C200H - MD 501 ⁽²⁾	2 6	16 opto N ⁽¹⁾ 16 opto P
C200H - OD 501 ⁽²⁾	2 6				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/C200H/OMN20/271/UL		0028 762.02	FA150/C200H/OMN20/271/UL		0028 762.02
2 m	FA200/C200H/OMN20/271/UL		0028 763.03	FA200/C200H/OMN20/271/UL		0028 763.03
2,5 m						
3 m	FA300/C200H/OMN20/271/UL		0028 765.05	FA300/C200H/OMN20/271/UL		0028 765.05
4 m						
5 m	FA500/C200H/OMN20/271/UL		0028 767.07	FA500/C200H/OMN20/271/UL		0028 767.07

Characteristics

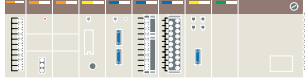
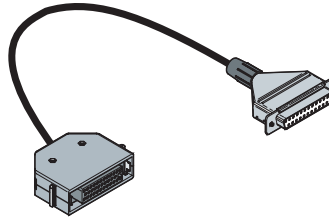
Type of interface connector	1 Omniconnect 20 points	1 Omniconnect 20 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	Fujitsu 24 points	Fujitsu 24 points

interfast 3

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



Board 8 I ANA



A
7

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 8 I ANA					
C200H - AD 002	Sub D 25				

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/C200H/SUBD25/285	0026 846.15	0028 846.27			
2 m	FA200/C200H/SUBD25/285	0026 847.16	0028 847.20			
2,5 m						
3 m	FA300/C200H/SUBD25/285	0026 849.20	0028 849.02			
4 m						
5 m	FA500/C200H/SUBD25/285	0026 851.12	0028 851.24			

Characteristics

Type of interface connector	1 Sub D 25 female points
Wire size	0,14 mm ² - Shielded 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM
PLC connector reference	MR - 34 LFG

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

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

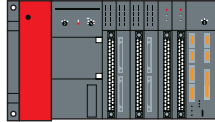
Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Characteristics

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

CONNECTION TECHNOLOGY SELECTION GUIDE

MITSUBISHI PLC MELSEC A



Multipurpose cable

See chapter
"Connection cables"



interfast 2

Swing arm pre-wired by ENTRELEC

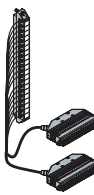
HDI High density range



STI standard range



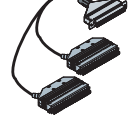
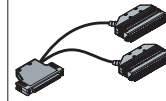
Sub D range Shielded cable



interfast 3

PLC used has a connector on the card

STI range cable



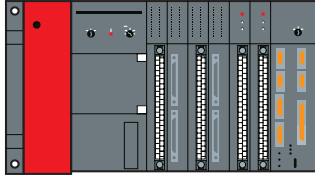
References

	See page	See page	See page	See page	See page	See page
Boards 64 I DIGITAL						
AX42					Page 116	
AX42-S1					Page 116	
AX82						Page 116
Boards 64 O DIGITAL						
AY42					Page 116	
AY42-S1					Page 116	
AY42-S3				Page 116		
AY42-S4			Page 116			
AY72					Page 116	
AY82EP					Page 116	
Boards 32 I DIGITAL						
AX11		Consult us				
AX21 / AX21EU		Consult us				
AX31C		Consult us				
AX41 / AX41-S1		Consult us				
AX71		Consult us				
AX81 / AX81-S1 / AX81-S2		Consult us				
Boards 32 O DIGITAL						
AY13 / AY13E		Consult us				
AY23		Consult us				
AY41 / AY41P		Consult us				
AY51 / AY51-S1		Consult us				
AY71		Consult us				
AY81 / AY81EP		Consult us				
Boards 24 O DIGITAL						
AY15EU		Consult us				
Boards 16 I DIGITAL						
AX10		Consult us				
AX20		Consult us				
AX40		Consult us				
AX50 / AX50-S1		Consult us				
AX60 / AX60-S1		Consult us				
AX70		Consult us				
AX80 / AX80E		Consult us				
Boards 16 O DIGITAL						
AY10 / AY10A	Consult us					
AY11 / AY11A / AY11E	Consult us					
AY20EU	Consult us					
AY22	Consult us					
AY40 / AY40A / AY40P	Consult us					
AY50	Consult us					
AY60 / AY60E / AY60S / AY60EP	Consult us					
AY70	Consult us					
AY80 / AY80EP	Consult us					
Boards 16 I ANA						
A616AD	Consult us		Consult us			
Boards 16 O ANA						
A616DAV / A616DAI	Consult us		Consult us			
Boards 8 I ANA						
A68AD / A68ADN	Consult us		Consult us			
A68RD3 / A68RD4	Consult us		Consult us			
Boards 8 O ANA						
A68DAV / A68DAI	Consult us		Consult us			
A68AD / A68ADN	Consult us		Consult us			
Boards 2 O ANA						
A62DA	Consult us		Consult us			

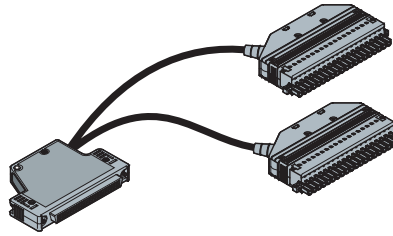
interfast 3



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



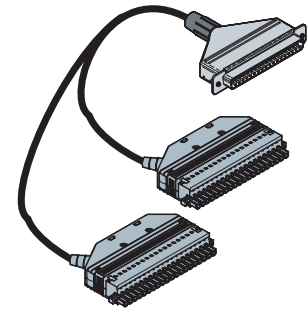
Board 64 I DIGITAL



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

Type of board	Connector interface	Decoupling interface
Boards 64 I DIGIT.		
AX42	2 3 (1) 6 7 (1)	16 opto N (1)
AX42-S1	2 3 (1) 6 7 (1)	16 opto N (1)

Board 64 I DIGITAL



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

Type of board	Connector interface	Decoupling interface
Boards 64 I DIGITAL		
AX 82	2 3 (1) 6 7 (1)	16 opto P (1)

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/MELSEC/2xOMN20/463/UL		0034 846.15	FA150/MELSEC/2xOMN20/325/UL		0034 086.07
2 m	FA200/MELSEC/2xOMN20/463/UL		0034 847.16	FA200/MELSEC/2xOMN20/325/UL		0034 087.00
2,5 m						
3 m	FA300/MELSEC/2xOMN20/463/UL		0034 849.20	FA300/MELSEC/2xOMN20/325/UL		0034 089.12
4 m						
5 m	FA500/MELSEC/2xOMN20/463/UL		0034 851.12	FA500/MELSEC/2xOMN20/325/UL		0034 091.04

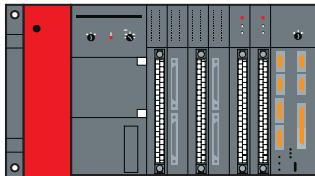
Characteristics

Type of interface connector	2 Omnicontact 20 points	2 Omnicontact 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

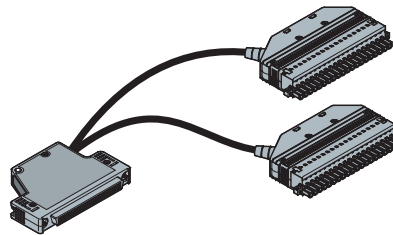
interfast 3



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



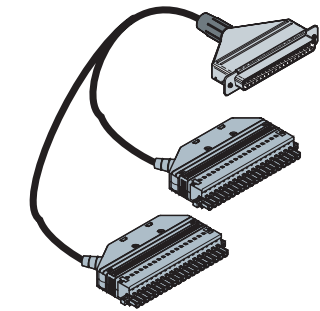
Board 64 O DIGITAL



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

Type of board	Connector interface	Decoupling interface
Boards 64 O DIGIT.		
AY42	2 3 6	16 relays P (1)
AY42-S1	2 3 6	16 relays P (1)
AY42-S3	2 3 6	16 relays P (1)
AY42-S4	2 3 6	16 relays P (1)
AY72	2 3 6	

Board 64 O DIGITAL



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

Type of board	Connector interface	Decoupling interface
Boards 64 O DIGIT.		
AY 82 EP	2 3 (1) 6 7 (1)	16 relays N (1)

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

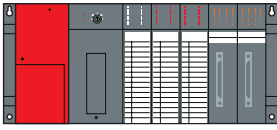
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/MELSEC/2xOMN20/464/UL		0034 852.13	FA150/MELSEC/2xOMN20/326/UL		0034 092.05
2 m	FA200/MELSEC/2xOMN20/464/UL		0034 853.14	FA200/MELSEC/2xOMN20/326/UL		0034 093.06
2,5 m						
3 m	FA300/MELSEC/2xOMN20/464/UL		0034 855.16	FA300/MELSEC/2xOMN20/326/UL		0034 095.00
4 m						
5 m	FA500/MELSEC/2xOMN20/464/UL		0034 857.10	FA500/MELSEC/2xOMN20/326/UL		0034 097.02

Characteristics

Type of interface connector	2 Omnicontact 20 points	2 Omnicontact 20 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	Fujitsu 40 points	1 Sub D 37 male points

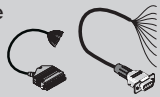
CONNECTION TECHNOLOGY SELECTION GUIDE

MITSUBISHI PLC MELSEC AnS



Multipurpose cable

See chapter
"Connection cables"



interfast 2 Swing arm pre-wired by ENTRELEC

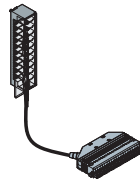
HDI High density range



STI standard range

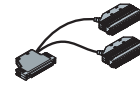


Sub D range Shielded cable



interfast 3 PLC used has a connector on the card

STI range cable

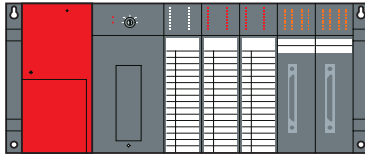


References

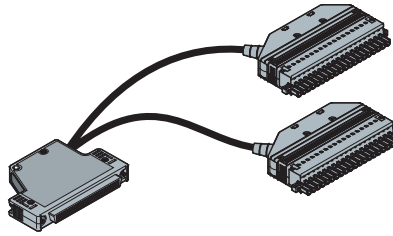
	See page	See page	See page	See page
Boards 64 I DIGITAL				
A1SX42				Page 118
A1SX42-S2				Page 118
Boards 64 O DIGITAL				
A1SY42				Page 118
Boards 32 I DIGITAL				
A1SX41				Page 118
A1SX41-S2				Page 118
A1SX71				Page 118
A1SX81				Page 118
A1SX81-S2				Page 118
Boards 32 O DIGITAL				
A1SY41				Page 118
A1SY71				Page 118
A1SY81				Page 118
Boards 16 I DIGITAL				
A1SX10EU				
A1SX20				
A1SX20EU				
A1SX30		Consult us		
A1SX40-S1 / A1SX40-S2		Consult us		
A1SP60		Consult us		
A1SI61		Consult us		
A1SX80		Consult us		
A1SX80-S1 / A1SX80-S2		Consult us		
Boards 16 O DIGITAL				
A1SY10		Consult us		
A1SY10EU		Consult us		
A1SY22				
A1SY40		Consult us		
A1SY50		Consult us		
A1SY60		Consult us		
A1SY60E		Consult us		
A1SY80		Consult us		
Boards 12 O DIGITAL				
A1SY14EU		Consult us		
Boards 8 O DIGITAL				
A1SY18A				
A1SY18AEU				
A1SY28A				
A1SY68A		Consult us		
Boards 8 I ANA				
A1S68AD			Consult us	
A1S68TD			Consult us	
Boards 8 O ANA				
A1S68DAV			Consult us	
A1S68DAI			Consult us	
Boards 4 I ANA				
A1S64AD			Consult us	
Boards 2 I ANA				
A1S62RD3			Consult us	
A1S62RD4			Consult us	
Boards 2 O ANA				
A1S62DA			Consult us	
Boards 2 I / 1 O ANA				
A1S63ADA			Consult us	

interfast 3

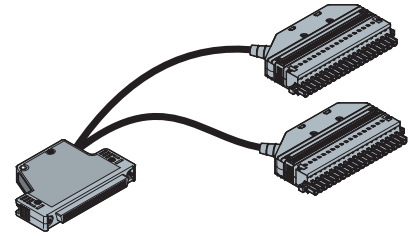
Mitsubishi PLC MELSEC AnS
PLC board with built-in
connector. Cable with
Omniconnect connector



Board 64 I DIGITAL Board 32 I DIGITAL



Board 64 O DIGITAL Board 32 O DIGITAL



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

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

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 64 I DIGIT.			Boards 64 O DIGIT.		
A1SX42 ⁽²⁾	2 3 ⁽¹⁾ 6 7 ⁽¹⁾	16 opto N/P ⁽¹⁾	A1SY42 ⁽²⁾	2 6	16 relays P ⁽¹⁾
A1SX42-S2 ⁽²⁾	2 3 ⁽¹⁾ 6 7 ⁽¹⁾	16 opto N/P	Boards 32 O DIGIT.		
Boards 32 I DIGIT.			A1SY41	2 6	16 relays P ⁽¹⁾
A1SX41	2 3 ⁽¹⁾ 6 7 ⁽¹⁾	16 opto N/P ⁽¹⁾	A1SY71	2 6	
A1SX41-S2	2 3 ⁽¹⁾ 6 7 ⁽¹⁾	16 opto N/P			
A1SX71	2 3 ⁽¹⁾ 6 7 ⁽¹⁾	16 opto N/P ⁽¹⁾			

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

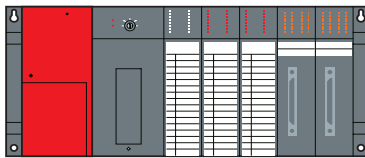
Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/MELSEC/2xOMN20/463/UL		0034 846.15	FA150/MELSEC/2xOMN20/464/UL		0034 852.13
2 m	FA200/MELSEC/2xOMN20/463/UL		0034 847.16	FA200/MELSEC/2xOMN20/464/UL		0034 853.14
2,5 m						
3 m	FA300/MELSEC/2xOMN20/463/UL		0034 849.20	FA300/MELSEC/2xOMN20/464/UL		0034 855.16
4 m						
5 m	FA500/MELSEC/2xOMN20/463/UL		0034 851.12	FA500/MELSEC/2xOMN20/464/UL		0034 857.10

Characteristics

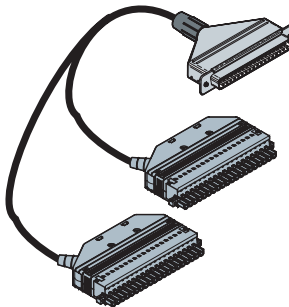
Type of interface connector	2 Omniconnect 20 points	2 Omniconnect 20 points
Wire size	0,14 mm ² - 26 AWG	0,14 mm ² - 26 AWG
Resistance/capacity cable	138 Ω/KM - 120 nF/KM	138 Ω/KM - 120 nF/KM
PLC connector reference	Fujitsu 40 points	Fujitsu 40 points

interfast 3

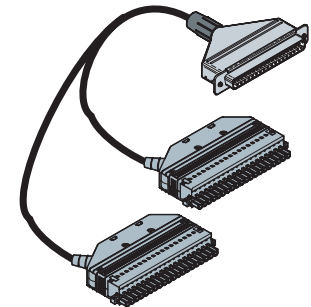
Mitsubishi PLC MELSEC AnS
PLC board with built-in
connector. Cable with
Omniconnect connector



Board 32 I DIGITAL



Board 32 O DIGITAL



⁽¹⁾ For 24 VDC only

⁽¹⁾ For 24 VDC only

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
Boards 32 I TOR			Boards 32 O DIGITAL		
A1SX81	2 3 6 7 ⁽¹⁾	16 opto N/P ⁽¹⁾	A1SY81	2 3 6 7 ⁽¹⁾	16 relays N ⁽¹⁾
A1SX81-S2	2 3 6 7 ⁽¹⁾	16 opto N/P			

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

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

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	FA150/MELSEC/2xOMN20/325/UL		0034 086.07	FA150/MELSEC/2xOMN20/326/UL		0034 092.05
2 m	FA200/MELSEC/2xOMN20/325/UL		0034 087.00	FA200/MELSEC/2xOMN20/326/UL		0034 093.06
2,5 m						
3 m	FA300/MELSEC/2xOMN20/325/UL		0034 089.12	FA300/MELSEC/2xOMN20/326/UL		0034 095.00
4 m						
5 m	FA500/MELSEC/2xOMN20/325/UL		0034 091.04	FA500/MELSEC/2xOMN20/326/UL		0034 097.02

Characteristics

Type of interface connector	2 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

Prewired swing arms



Summary

A9 - Connection cables

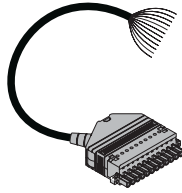
Multipurpose cables.....	120
Shielded cables.....	122

interfast 3

Multipurpose cables with Omniconnect connector



OMNICONNECT 12 PTS



Wires identified from 1 to 12

Color code

Connector		Connector	
Pin #	Wire Color	Pin #	Wire Color
1	Black	11	Red/White
1	White	12	Green/White
2	Red		
2	Green		
3	Orange		
4	Blue		
5	White/Black		
6	Red/Black		
7	Green/Black		
8	Orange/Black		
9	Blue/Black		
10	Black/White		

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
I/O DIGITAL		8 relays / 8 opto			

■ Wire markers optional: Consult us

■ Accessories: see section on ACCESSORIES

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

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

Characteristics

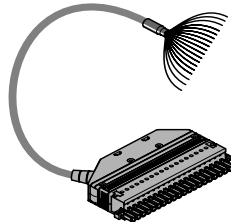
Type of connector	1 Omniconnect 12 points
Wire size	0,34mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM
Max. current/Max. voltage	2 A / 250 V

interfast 3

Multipurpose cables with Omniconnect connector



OMNICONNECT 20 PTS



Color code

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

Type of board	Connector interface	Decoupling interface	Type of board	Connector interface	Decoupling interface
I/O DIGITAL		16 relays / 16 opto			

■ Wire markers optional: Consult us

■ Accessories: see section on ACCESSORIES

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

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1 m	LA100/OMN20/UL	—	XUSI02586			
1,5 m	LA150/OMN20/UL	—	XUSI02587			
2 m	LA200/OMN20/UL	—	XUSI02588			
2,5 m	LA250/OMN20/UL	—	XUSI02589			
3 m	LA300/OMN20/UL	—	XUSI02590			
4 m	LA400/OMN20/UL	—	XUSI02591			
5 m	LA500/OMN20/UL	—	XUSI02592			

Characteristics

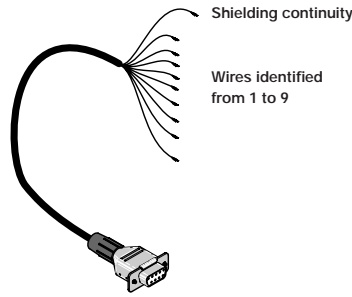
Type of connector	1 Omniconnect 20 points
Wire size	0,25mm ² - 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM
Max. current/Max. voltage	2 A / 250 V

interfast 3

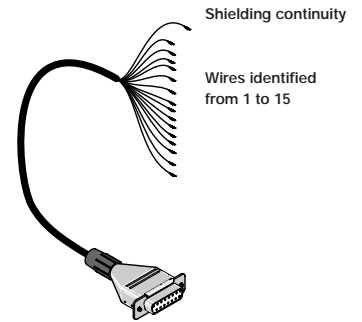
Multipurpose cables with Sub D connector



SUB D 9 PTS



SUB D 15 PTS



Type of board	Connector interface	Type of board	Connector interface
I/O ANA	Sub D 9	I/O ANA	Sub D 15

■ Wire markers optional: Consult us

■ Accessories: see section on ACCESSORIES

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

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LAF150/UNI/SUBD9/420	0026 186.00	0028 186.12	LAF150/UNI/SUBD15/421	0026 192.06	0028 192.10
2 m	LAF200/UNI/SUBD9/420	0026 187.01	0028 187.13	LAF200/UNI/SUBD15/421	0026 193.07	0028 193.11
2,5 m						
3 m	LAF300/UNI/SUBD9/420	0026 189.13	0028 189.25	LAF300/UNI/SUBD15/421	0026 195.01	0028 195.13
4 m						
5 m	LAF500/UNI/SUBD9/420	0026 191.05	0028 191.17	LAF500/UNI/SUBD15/421	0026 197.03	0028 197.15

Characteristics

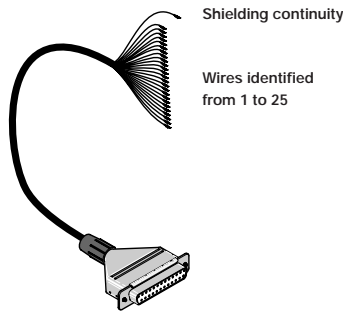
Type of connector	1 Sub D 9 female points	1 Sub D 15 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54Ω/KM - 120 nF/KM
Max. current/Max. voltage	1 A / 60 V	1 A / 60 V

interfast 3

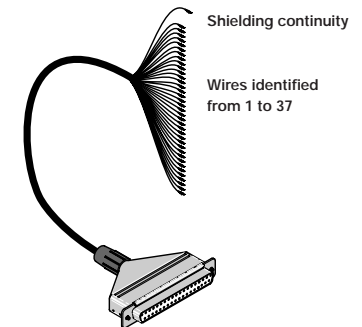
Multipurpose cables with Sub D connector



SUB D 25 PTS



SUB D 37 PTS



Type of board	Connector interface	Type of board	Connector interface
I/O ANA	Sub D 25	I/O ANA	Sub D 37

■ Wire markers optional: Consult us

■ Accessories: see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LAF150/UNI/SUBD25/422	0026 198.14	0028 198.26	LAF150/UNI/SUBD37/423	0026 204.22	0028 204.04
2 m	LAF200/UNI/SUBD25/422	0026 199.15	0028 199.27	LAF200/UNI/SUBD37/423	0026 205.23	0028 205.05
2,5 m						
3 m	LAF300/UNI/SUBD25/422	0026 201.27	0028 201.01	LAF300/UNI/SUBD37/423	0026 207.25	0028 207.07
4 m						
5 m	LAF500/UNI/SUBD25/422	0026 203.21	0028 203.03	LAF500/UNI/SUBD37/423	0026 209.07	0028 209.11

Characteristics

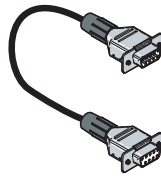
Type of connector	1 Sub D 25 female points	1 Sub D 37 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
Max. current/Max. voltage	1 A / 60 V	1 A / 60 V

interfast 3

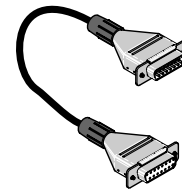
Shielded cables with Sub D connector to Sub D connector



Sub D 9 PTS
Male / Female



Sub D 15 PTS
Male / Female



Type of board	Connector interface	Type of board	Connector interface
E / S	Sub D 9	E / S	Sub D 15

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/SubD9M/SubD9F/287	0026 858.21	0028 858.03	LA150/SubD15M/SubD15F/288	0026 864.17	0028 864.21
2 m	LA200/SubD9M/SubD9F/287	0026 859.22	0028 859.04	LA200/SubD15M/SubD15F/288	0026 865.10	0028 865.22
2,5 m						
3 m	LA300/SubD9M/SubD9F/287	0026 861.14	0028 861.26	LA300/SubD15M/SubD15F/288	0026 867.12	0028 867.24
4 m						
5 m	LA500/SubD9M/SubD9F/287	0026 863.16	0028 863.20	LA500/SubD15M/SubD15F/288	0026 869.24	0028 869.06

Characteristics

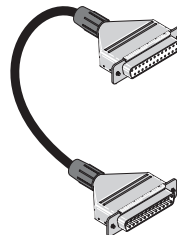
Type of connector	1 Sub D 9 points male + 1 Sub D 9 female points	1 Sub D 15 male points + 1 Sub D 15 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
Max. current / Max. voltage	1 A / 60 V	1 A / 60 V

interfast 3

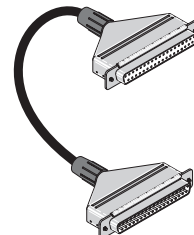
Shielded cables with Sub D connector to Sub D connector



Sub D 25 PTS
Male / Female



Sub D 37 PTS
Male / Female



Type of board	Connector interface	Type of board	Connector interface
E / S	Sub D 25	E / S	Sub D 37

■ Wire markers optional:
Consult us

■ Accessories:
see section on ACCESSORIES

Recommended cable lengths in boldface type
* Cables UL available only for USA, CANADA, MEXICO

Length	Type of cable	Reference with IEC cables	Reference with UL cables *	Type of cable	Reference with IEC cables	Reference with UL cables *
1,5 m	LA150/SubD25M/SubD25F/289	0026 870.21	0028 870.03	LA150/SubD37M/SubD37F/290	0026 876.13	0028 876.25
2 m	LA200/SubD25M/SubD25F/289	0026 871.16	0028 871.20	LA200/SubD37M/SubD37F/290	0026 877.14	0028 877.26
2,5 m						
3 m	LA300/SubD25M/SubD25F/289	0026 873.10	0028 873.22	LA300/SubD37M/SubD37F/290	0026 879.26	0028 879.00
4 m						
5 m	LA500/SubD25M/SubD25F/289	0026 875.12	0028 875.24	LA500/SubD37M/SubD37F/290	0026 881.01	0028 881.13

Characteristics

Type of connector	1 Sub D 25 male points + 1 Sub D 25 female points	1 Sub D 37 male points + 1 Sub D 37 female points
Wire size	0,34mm ² - Shielded 22 AWG	0,34mm ² - Shielded 22 AWG
Resistance/capacity cable	54 Ω/KM - 120 nF/KM	54 Ω/KM - 120 nF/KM
Max. current / Max. voltage	1 A / 60 V	1 A / 60 V

Notes

A

9

Notes



A

9

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