

PLC and RIO Panels

Additional components to be used in the manufacture of DB's ,PLC and RIO panels can be found in section E.

The products listed here will help with Profibus and Profinet manufacture. All additional patch leads and fibre splice boxes are available if required.

Complete DB's ,PLC and RIO panels can be ordered and supplied as a standard of-the-self offering or be built to order

Product range overview	
Profibus Components	B-1
Profinet /Industrial Ethernet Components	B-2
Mechanical components	B-3

Profibus Bus Connector



Technical data	
Transmission rate / with PROFIBUS DP	9.6 kbit/s ... 12 Mbit
Permitted ambient conditions	
• during operation	-25 ... +60 °C
• during transport	-40 ... +70 °C
Protection class IP	IP20

Type	Order No.	Pcs./Pkt.
RS485	6ES7972-0BA52-0XA0	1

Profibus Dp Terminator



Technical data	
Rated value (DC)	24 V
Current consumption	30 mA
Width	60 mm
Height	70 mm
Depth	43 mm
Connection method	Screw terminals 2.5mm

Type	Order No.	Pcs./Pkt.
DP TERMINATOR	6AG1972-0DA00-2AA0	1

Profibus Optical Link Module



Technical data	
Operating voltage	24 V DC
Current consumption	max. 200 mA
Transmission rate	9.6; 19.2, 45.45; 93.75; 187.5; 500 Kbps 1.5; 3; 6; 12 Mbps
Dimensions	39.5 x 112 x 74.5 mm
IEC regulation	IEC 60950 (corresponds to EN 60950 and VDE 0805)

Type	Order No.	Pcs./Pkt.
G12 V4.0 4 BFOC-SOCKETS	6GK1503-3CC00	1

Profibus Dp Repeater



Common technical data	
Rated value (DC)	24 V
Current consumption, max.	100 mA without loads at PG/OP socket; 130 mA load at PG/OP socket (5 V/90 mA) 200 mA load at PG/OP socket (2V/100 mA)
Transmission rate, max	12 Mbit/s; 9.6 kbit/s to 12 Mbit/s
Width	45 mm
Height	128 mm
Depth	67 mm

Type	Order No.	Pcs./Pkt.
RS485 REPEATER	6ES7972-0AA02-0XA0	1

Scalance, Ie Un-Managed Switch



Technical Data	
Supply voltage / external	24 VD
Transfer rate	10 / 100 Mbit/s
Number of electrical connections	4 RJ45
Multimode Glass Foc-Port	1
Protection	IP20
Ambient temperature (operation)	-10 °C ... 60 °C

Number of Ethernet ports	Type	Order No.	Pcs./Pkt.
4 (RJ45 ports) 1 SC(Multimode) Port	UNMANAGED IE	6GK5004-1BD00-1AB2	1

Un- Managed Switch



Technical data	
Supply Voltage	24VDC
Transmission Rate	10/100 Mbps
Connection type	RJ45
Protection	IP20
Ambient temperature (operation)	-10 °C ... 60 °C

FL SWITCH SFNB 5TX FL SWITCH SFNB 8TX

Number of Ethernet ports	Type	Order No.	Pcs./Pkt.
5 (RJ45 ports)	FL SWITCH SFNB 5TX	2891001	1
8 (RJ45 ports)	FL SWITCH SFNB 8TX	2891002	1

Scalance, Ie Managed Switch



Technical Data	
Supply voltage / external	24 V
Transmission Rate	10/100 Mbps
Number of electrical connections	4 RJ45
Multimode Glass Foc-Port	1
Protection	IP20
Ambient temperature (operation)	-10 °C ... 60 °C

Number of Ethernet ports	Type	Order No.	Pcs./Pkt.
4 (RJ45 Ports) 2 (ST(BFOC) Ports)	MANAGED IE SWITCH	6GK5204-2BB10-2AA3	1

Circuit Breakers



Technical data	
Connection method	Screw terminals 2.5mm
Certification	IEC 60947-2
Rated Voltage	230 / 400 VAC
Ambient temperature	-25 °C → +55 °C
Width	17.5 mm / pole
Depth	69.0 mm
Height NS 35/7,5	88.0 mm
Degree of Protection	IP20

Amps	No of poles	KA rating	Protection	Order No.	Pcs./Pkt.
2	1	10	C- curve	2CDS251001R0024	1
6	1	10	C- curve	2CDS251001R0064	1
10	1	10	C- curve	2CDS251001R0104	1
16	1	10	C- curve	2CDS251001R0164	1
2	2	10	C- curve	2CDS252001R0024	1
6	2	10	C- curve	2CDS252001R0064	1
10	2	10	C- curve	2CDS252001R0104	1
16	2	10	C- curve	2CDS252001R0164	1

Cable Ducts



Technical data	
Length	2000 mm
Material	PVC
Inflammability class in acc. with UL 94	V0
Color	gray

Width	Height	Type	Order No.	Pcs./Pkt.
25 mm	60 mm	CD 25X60	3240191	15
40 mm	60 mm	CD 40X60	3240192	20
60 mm	80 mm	CD 60X80	3240199	10
80 mm	80 mm	CD 80X40	3240335	15
120 mm	80 mm	CD 120X80	3240202	4

DIN rail perforated



Technical data	
Length	2000 mm
Width	35 mm
Height	7.5 mm
Color	Galvanized

Type	Order No.	Pcs./Pkt.
DIN rail perforated	801733	1