

Data sheet

6GK1901-0DB20-6AA8

Product type designation

Product description

IE FC M12 Plug PRO (PROFINET)

M12 connector with high protection, 4-pole, D-coded
IE FC M12 PLUG PRO 2X2 M12 PLUG CONNECTOR W. RUGGED
METAL HOUSING AND FC CONNECTING METHOD, WITH AXIAL
CABLE OUTLET (D CODED)1 PACKAGE = 8 PIECES FOR
SCALANCE X208 PRO AND ET200 PRO PN



Suitability for use

For connecting electrical cables to SCALANCE X208PRO, ET200 PRO PN or ET200 eco PN for fast assembly with the FastConnect system

Transmission rate

Transfer rate / for Industrial Ethernet

10 Mbit/s, 100 Mbit/s

Interfaces

Number of electrical connections

- for Industrial Ethernet FC TP cables
- for network components or terminal equipment

4

1

Type of electrical connection

- for Industrial Ethernet FC TP cables
- for network components or terminal equipment

integrated cut-and-clamp contacts for 4-wire TP FC installation cable AWG22

M12 connector (D-coded)

Type of electrical connection / FastConnect

Yes

Mechanical data

Material / of the enclosure

metal

Number of reuses

10

Locking mechanism design	Screw
Design, dimensions and weight	
Type of cable outlet	180° cable outlet
Width	19 mm
Height	19 mm
Depth	73 mm
Net weight	40 g
Permitted ambient conditions	
Ambient temperature	
• during operation	-40 ... +85 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
Relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
Chemical resistance / to water	resistant
Protection class IP	IP65/67
Product properties, functions, components / general	
Product feature	
• PoE capability	Yes
• PoE+capability	Yes
• silicon-free	Yes
Product component	
• strain relief	Yes
Standards, specifications, approvals	
Certificate of suitability	
• RoHS conformity	Yes
• UL approval	Yes
• cULus approval	Yes
• Railway application in accordance with EN 50155	No
Standard for structured cabling	Cat5
Further Information / Internet Links	
Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAX Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com

last modified:

10/15/2016