SIEMENS

Data sheet	6GK1901-0DB20-6AA0

Product type designation	IE FC M12 Plug PRO (PROFINET)
Product description	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 = 1 PIECE 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	4
• for network components or terminal equipment	1
Type of electrical connection	
• for Industrial Ethernet FC TP cables	integrated cut-and-clamp contacts for 4-wire TP FC installation cable AWG22
• for network components or terminal equipment	M12 connector (D-coded)
Type of electrical connection / FastConnect	Yes

Mechanical data	
Material / of the enclosure	metal
Number of reuses	10

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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

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