SIEMENS

Data sheet	6GK1901-0DB10-6AA0

Product type designation	IE M12 Plug PRO (PROFINET)
Product description	M12 connector with high protection, 4-pole, D-coded
	IE M12 PLUG PRO M12 PLUG CONNECTOR W. RUGGED METAL HOUSING A. SHORT ASSEMBLY TIMES DUE TO THEIR INSULATION- DISPLACEMENT TECHNOLOGY METHOD, 180 DGR 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, with insulation displacement contacts

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
• for network components or terminal equipment	M12 connector (D-coded)
Type of electrical connection / FastConnect	No

Mechanical data

Material / of the enclosure	metal

Design, dimensions and weight

Type of cable outlet	180° cable outlet
Width	14 mm
Height	14 mm
Depth	59 mm
Net weight	37 g

Permitted ambient conditions

Ambient temperature	
• during operation	-20 ... +70 °C
• during storage	-40 ... +80 °C
• during transport	-40 ... +80 °C
Chemical resistance / to water	resistant
Protection class IP	IP65/67

Product properties, functions, components / general

Product property	
• silicon-free	Yes
Product component	
• strain relief	Yes

Standards, specifications, approvals

Certificate of suitability	
• RoHS conformity	Yes
• UL 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/automation/net/catalog
• 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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