SIEMENS

Data sheet   **6GK1901-0DB10-6AA8**

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-in connector with rugged metal enclosure and quick-connect technology, 180° cable outlet (D-coded) 1 pack=8 units for SCALANCE X208 PRO and ET 200 PRO PN.

suitability for use	For connecting electrical cables to SCALANCE X208PRO, ET200 PRO PN or ET200 eco PN, with insulation displacement contacts

transfer 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	No

mechanical data
material / of the enclosure	metal
locking mechanism design	Screwed joint
tightening torque / for M12 round connector / maximum	0.6 N·m
connector coding / of the M12 circular connector	D

design, dimensions and weights
type of cable outlet	180° cable outlet
width	14 mm
height	14 mm
depth	59 mm
net weight	37 g
connectable cable cross-section	6.5 ... 6.5 mm
connectable conductor cross-section	0.33 mm²

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	IP67

product features, product functions, product components / general
product feature	
● silicon-free	Yes
product component	
● strain relief	Yes

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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 web page: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool
● 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: Selection guide for cables and connectors	https://sie.ag/2QdlxcP
● 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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