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
	Industrial Ethernet FastConnect M12 plug PRO 2x2 M12 plug-in connector with rugged metal enclosure and FC connection method, with axial cable outlet (D-coded) 1 pack=1 unit 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 for fast assembly with the FastConnect system

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	Yes

mechanical data

material / of the enclosure	metal
number of reuses	10
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	19 mm
height	19 mm
depth	73 mm
net weight	40 g
connectable cable cross-section	6.5 ... 6.5 mm
connectable conductor cross-section	0.33 mm²

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 features, product functions, product components / general

7/7/2023

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 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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