

Data sheet

6GK1901-0DB20-6AA0

product type designation

product description

IE FC M12 Plug PRO (PROFINET)

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.



Technical Product Detail Page

<https://l.siemens.com/1P6GK1901-0DB20-6AA0>

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, 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 plug (D-coded, male)

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	
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
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	0.32 kg
• during manufacturing	0.28 kg
• during operation	0.01 kg
• after end of life	0.03 kg
further information / internet links	
internet link	
• to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
• to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
• to website: Industrial communication	https://www.siemens.com/simatic-net
• to web page: SiePortal	https://sieportal.siemens.com
• to website: Image database	https://www.automation.siemens.com/bilddb
• to website: CAx-Download-Manager	https://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com
security information	
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Approvals / Certificates	
General Product Approval	Maritime application
Declaration of Conformity	
	China RoHS
	
Maritime application	other
Environment	Industrial Communication



[Miscellaneous](#)



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