

## Data sheet

## 6GK1901-0DB20-6AA8

### 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=8 units for SCALANCE X208 PRO and ET 200 PRO PN.



### Technical Product Detail Page

<https://l.siemens.com/1P6GK1901-0DB20-6AA8>

### 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 mm<sup>2</sup>

### 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
<b>product features, product functions, product components / general</b>	
product feature	
• PoE capability	Yes
• PoE+ capability	Yes
• silicon-free	Yes
product component	
• strain relief	Yes
<b>standards, specifications, approvals</b>	
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
<b>standards, specifications, approvals / Environmental Product Declaration</b>	
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
<b>further information / internet links</b>	
internet link	
• to website: Selection guide for cables and connectors	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a>
• to web page: selection aid TIA Selection Tool	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
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<b>General Product Approval</b>	<b>Maritime application</b>
<a href="#">Declaration of Conformity</a>	
	<a href="#">China RoHS</a>
	
<b>Maritime application</b>	<b>other</b>
<b>Environment</b>	<b>Industrial Communication</b>



[Miscellaneous](#)



[PROFINET](#)

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