

Data sheet

6GK1901-0DB40-6AA0

Product type designation

Product description

IE FC M12 Cable Connector PRO (PROFINET)

M12 connector with socket insert with high protection class, 8-pole, X-coded

IE FC M12 Cable Connector PRO 4x 2 M12 plug-in connectors (X-coded) 8-pole; metal enclosure; FC quick-connect technology;

Female contact insert; 1 pack = 1 unit



Suitability for use

For connecting electrical cables to SCALANCE W (M12 gigabit interface) for fast assembly with the FastConnect system

Transfer rate

Transfer rate / for Industrial Ethernet

10 Mbit/s, 100 Mbit/s, 1000 Mbit/s, 10000 Mbit/s

Interfaces

Number of electrical connections

- for Industrial Ethernet FC TP cables
- for network components or terminal equipment

8

1

Type of electrical connection

- for Industrial Ethernet FC TP cables
- for network components or terminal equipment

integrated cut-and-clamp contacts for 8-wire TP FC installation cable AWG24

M12 connector (X-coded)

Type of electrical connection / FastConnect

Yes

Mechanical data

Material / of the enclosure

metal

Locking mechanism design

Screw

Design, dimensions and weights	
Type of cable outlet	180° cable outlet
Width	16.8 mm
Height	16.8 mm
Depth	49 mm
Net weight	40 g
Connectable cable cross-section	6.5 ... 8 mm

Ambient conditions	
Ambient temperature	
• during operation	-40 ... +85 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
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	Yes
• Fire protection in accordance with EN 45545-2	Yes
Standard for structured cabling	Cat6A

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/industry/infocenter
• 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

last modified:

03/20/2020