

Data sheet

6GK1901-0DB30-6AA0

Product type designation
Product description

IE FC M12 Plug PRO (PROFINET)
M12-Connector with high protection, 8-pole, X-coded
IE FC M12 PLUG PRO 4X2 M12 CONNECTOR WITH RUGGED
METAL HOUSING A. FC CONNECT.- METHOD, WITH AXIAL
CABLE OUTLET (X-CODED) 1 PACKAGE = 1 PCE FOR
SCALANCE W AND X



Suitability for use

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

Transmission 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 weight

Type of cable outlet	180° cable outlet
Width	16.8 mm
Height	16.8 mm
Depth	52 mm
Net weight	40 g
Connectable cable cross-section	6.5 ... 8 mm

Permitted 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 properties, functions, 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
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

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