

Product type designation

Product description

IE FC M12 Plug PRO (PROFINET)

M12-Connector with high protection, 8-pole, X-coded
Industrial Ethernet FastConnect M12 plug PRO 4x 2 M12 plug-in
connector with Rugged metal enclosure and FC connection method,
with axial cable outlet (X-coded) 1 pack=1 unit for SCALANCE W and
SCALANCE 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	
<ul style="list-style-type: none"> during operation 	-40 ... +85 °C
<ul style="list-style-type: none"> during storage 	-40 ... +85 °C
<ul style="list-style-type: none"> during transport 	-40 ... +85 °C
Chemical resistance / to water	resistant
Protection class IP	IP65/67

Product properties, functions, components / general	
Product feature	
<ul style="list-style-type: none"> PoE capability 	Yes
<ul style="list-style-type: none"> PoE+capability 	Yes
<ul style="list-style-type: none"> silicon-free 	Yes
Product component	
<ul style="list-style-type: none"> strain relief 	Yes

Standards, specifications, approvals	
Certificate of suitability	
<ul style="list-style-type: none"> RoHS conformity 	Yes
<ul style="list-style-type: none"> UL approval 	Yes
<ul style="list-style-type: none"> cULus approval 	Yes
<ul style="list-style-type: none"> Railway application in accordance with EN 50155 	Yes
<ul style="list-style-type: none"> Fire protection in accordance with EN 45545-2 	Yes
Standard for structured cabling	Cat6A

Further Information / Internet Links	
Internet-Link	
<ul style="list-style-type: none"> to website: Selector SIMATIC NET SELECTION TOOL 	http://www.siemens.com/snst
<ul style="list-style-type: none"> to website: Industrial communication 	http://www.siemens.com/simatic-net
<ul style="list-style-type: none"> to website: Industry Mall 	https://mall.industry.siemens.com
<ul style="list-style-type: none"> to website: Information and Download Center 	http://www.siemens.com/industry/infocenter
<ul style="list-style-type: none"> to website: Image database 	http://automation.siemens.com/bilddb
<ul style="list-style-type: none"> to website: CAx Download Manager 	http://www.siemens.com/cax
<ul style="list-style-type: none"> to website: Industry Online Support 	https://support.industry.siemens.com

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