

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

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

Screwed joint

tightening torque / for M12 round connector / maximum

0.6 N·m

design, dimensions and weights

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

connectable conductor cross-section

0.21 ... 0.33 mm²

ambient conditions

ambient temperature

- during operation
- during storage
- during transport

-40 ... +85 °C

-40 ... +85 °C

-40 ... +85 °C

chemical resistance

- to water

resistant

protection class IP

IP65/67

product features, product functions, product components / general

product feature

- PoE capability
- PoE+capability

Yes

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 web page: selection aid TIA Selection Tool 	http://www.siemens.com/tia-selection-tool
<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: Selection guide for cables and connectors 	https://sie.ag/2QdlxcP
<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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