

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 plug (X-coded, male)

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

connector coding / of the M12 circular connector

X

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
- silicon-free

Yes

Yes

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		
reference code			
• according to IEC 81346-2:2019	XGA		
further information / internet links			
internet link			
• to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358		
• to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud		
• to website: Industrial communication	https://www.siemens.com/simatic-net		
• to web page: SiePortal	https://sieportal.siemens.com		
• to website: Image database	https://www.automation.siemens.com/bilddb		
• to website: CAX-Download-Manager	https://www.siemens.com/cax		
• to website: Industry Online Support	https://support.industry.siemens.com		
security information			
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