

product type designation

product description

IE FC M12 Plug PRO 4X2

FC M12 plug-in connector in high degree of protection, 8-pin, X-coded

IE FC 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 insulation-displacement contacts for 8-wire TP FC installation cables AWG24/AWG26

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

17.6 mm

height

17.6 mm

depth

70.7 mm

net weight

48 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

-50 ... +100 °C

-50 ... +100 °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 UL approval cULus approval railway application in accordance with EN 50155 fire protection according to EN 45545-5 | Yes Yes Yes Yes Yes |
| standard for structured cabling | Cat6A |
| reference code | |
| <ul style="list-style-type: none"> according to IEC 81346-2:2019 | XGA |

further information / internet links

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| internet link | |
| <ul style="list-style-type: none"> to website: Selection guide for cables and connectors to web page: selection aid TIA Selection Tool to website: Industrial communication to web page: SiePortal to website: Image database to website: CAx-Download-Manager to website: Industry Online Support | https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://www.siemens.com/simatic-net https://sieportal.siemens.com https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com |

security information

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Approvals / Certificates

Industrial Communication

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