

### product type designation

product description

### IE FC M12 Plug PRO (PROFINET)

M12 connector with high protection, 4-pole, D-coded

Industrial Ethernet FastConnect M12 plug PRO 2x2 M12 plug-in connector with rugged metal enclosure and FC connection method, with axial cable outlet (D-coded) 1 pack=1 unit for SCALANCE X208 PRO and ET 200 PRO PN.



suitability for use

For connecting electrical cables to SCALANCE X208PRO, ET200 PRO PN or ET200 eco PN for fast assembly with the FastConnect system

### transfer rate

transfer rate / for Industrial Ethernet

10 Mbit/s, 100 Mbit/s

### interfaces

number of electrical connections

- for Industrial Ethernet FC TP cables
- for network components or terminal equipment

4

1

type of electrical connection

- for Industrial Ethernet FC TP cables
- for network components or terminal equipment

integrated cut-and-clamp contacts for 4-wire TP FC installation cable AWG22

M12 connector (D-coded)

type of electrical connection / FastConnect

Yes

### mechanical data

material / of the enclosure

metal

number of reuses

10

locking mechanism design

Screwed joint

tightening torque / for M12 round connector / maximum

0.6 N·m

connector coding / of the M12 circular connector

D

### design, dimensions and weights

type of cable outlet

180° cable outlet

width

19 mm

height

19 mm

depth

73 mm

net weight

40 g

connectable cable cross-section

6.5 ... 6.5 mm

connectable conductor cross-section

0.33 mm<sup>2</sup>

### ambient conditions

ambient temperature

- during operation
- during storage
- during transport

-40 ... +85 °C

-40 ... +85 °C

-40 ... +85 °C

relative humidity

- at 25 °C / without condensation / during operation / maximum

95 %

chemical resistance

- to water

resistant

protection class IP	IP65/67
<b>product features, product functions, product components / general</b>	
product feature	
• PoE capability	Yes
• PoE+capability	Yes
• silicon-free	Yes
product component	
• strain relief	Yes
<b>standards, specifications, approvals</b>	
certificate of suitability	
• RoHS conformity	Yes
• UL approval	Yes
• cULus approval	Yes
• railway application in accordance with EN 50155	No
standard for structured cabling	Cat5
<b>further information / internet-Links</b>	
Internet-Link	
• to web page: selection aid TIA Selection Tool	<a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</a>
• to website: Industrial communication	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
• to website: Industry Mall	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
• to website: Information and Download Center	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>
• to website: Selection guide for cables and connectors	<a href="https://sie.ag/2QdlxcP">https://sie.ag/2QdlxcP</a>
• to website: Image database	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
• to website: CAx-Download-Manager	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>last modified:</b>	6/13/2021 