

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

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

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 mm²

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

product features, product functions, product components / general

product feature

• PoE capability	Yes
• PoE+capability	Yes
• silicon-free	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	No
standard for structured cabling	Cat5
reference code	
• according to IEC 81346-2:2019	XGA

standards, specifications, approvals / Environmental Product Declaration

Environmental Product Declaration	Yes
Global Warming Potential [CO2 eq]	
• total	0.32 kg
• during manufacturing	0.28 kg
• during operation	0.01 kg
• after end of life	0.03 kg






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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Approvals / Certificates

General Product Approval	Marine / Shipping
Declaration of Conformity  	  

Environment	Industrial Communication
Confirmation	PROFINET

