

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 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

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

● 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	Yes
standard for structured cabling	Cat6A
further information / internet-Links	
Internet-Link	
● to web page: selection aid TIA Selection Tool ● to website: Industrial communication ● to website: Industry Mall ● to website: Information and Download Center ● to website: Selection guide for cables and connectors ● to website: Image database ● to website: CAX-Download-Manager ● to website: Industry Online Support	http://www.siemens.com/tia-selection-tool http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter https://sie.ag/2QdlxcP http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com
last modified:	6/30/2021 