

### product type designation

**IE FC M12 Plug PRO 4X2**

### product description

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 mm<sup>2</sup>

### 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"> <li>silicon-free</li> </ul>	Yes
product component	
<ul style="list-style-type: none"> <li>strain relief</li> </ul>	Yes
<b>standards, specifications, approvals</b>	
certificate of suitability	
<ul style="list-style-type: none"> <li>RoHS conformity</li> </ul>	Yes
<ul style="list-style-type: none"> <li>UL approval</li> </ul>	Yes
<ul style="list-style-type: none"> <li>cULus approval</li> </ul>	Yes
<ul style="list-style-type: none"> <li>railway application in accordance with EN 50155</li> </ul>	Yes
standard for structured cabling	Cat6A
<b>further information / internet-Links</b>	
Internet-Link	
<ul style="list-style-type: none"> <li>to web page: selection aid TIA Selection Tool</li> </ul>	<a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</a>
<ul style="list-style-type: none"> <li>to website: Industrial communication</li> </ul>	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
<ul style="list-style-type: none"> <li>to website: Industry Mall</li> </ul>	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
<ul style="list-style-type: none"> <li>to website: Information and Download Center</li> </ul>	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>
<ul style="list-style-type: none"> <li>to website: Selection guide for cables and connectors</li> </ul>	<a href="https://sie.ag/2QdlxcP">https://sie.ag/2QdlxcP</a>
<ul style="list-style-type: none"> <li>to website: Image database</li> </ul>	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
<ul style="list-style-type: none"> <li>to website: CAx-Download-Manager</li> </ul>	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
<ul style="list-style-type: none"> <li>to website: Industry Online Support</li> </ul>	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>last modified:</b>	6/30/2021 