

### 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 4
- for network components or terminal equipment 1

#### Type of electrical connection

- for Industrial Ethernet FC TP cables integrated cut-and-clamp contacts for 4-wire TP FC installation  
cable AWG22
- for network components or terminal equipment M12 connector (D-coded)

#### Type of electrical connection / FastConnect

Yes

### Mechanical data

Material / of the enclosure metal

Number of reuses 10

Locking mechanism design	Screw
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### Design, dimensions and weight

Type of cable outlet	180° cable outlet
Width	19 mm
Height	19 mm
Depth	73 mm
Net weight	40 g

### Ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> </ul>	<p>-40 ... +85 °C</p> <p>-40 ... +85 °C</p> <p>-40 ... +85 °C</p>
Relative humidity	
<ul style="list-style-type: none"> <li>at 25 °C / without condensation / during operation / maximum</li> </ul>	95 %
Chemical resistance	
<ul style="list-style-type: none"> <li>to water</li> </ul>	resistant
Protection class IP	IP65/67

### Product features, product functions, product components / general

Product feature	
<ul style="list-style-type: none"> <li>PoE capability</li> <li>PoE+capability</li> <li>silicon-free</li> </ul>	<p>Yes</p> <p>Yes</p> <p>Yes</p>
Product component	
<ul style="list-style-type: none"> <li>strain relief</li> </ul>	Yes

### Standards, specifications, approvals

Certificate of suitability	
<ul style="list-style-type: none"> <li>RoHS conformity</li> <li>UL approval</li> <li>cULus approval</li> <li>Railway application in accordance with EN 50155</li> </ul>	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>No</p>
Standard for structured cabling	Cat5

### Further information / Internet-Links

Internet-Link	
<ul style="list-style-type: none"> <li>to website: Selector SIMATIC NET SELECTION TOOL</li> <li>to website: Industrial communication</li> <li>to website: Industry Mall</li> <li>to website: Information and Download Center</li> <li>to website: Image database</li> </ul>	<p><a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a></p> <p><a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a></p> <p><a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a></p> <p><a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a></p> <p><a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a></p>

- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/cax>

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