

**Product type designation**  
Product description

**IE FC M12 Plug PRO (PROFINET)**  
M12 power connector socket, 4-pole, A-coded  
Industrial Ethernet FastConnect 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=8 units for SCALANCE W



Suitability for use

For connecting electrical cables to SCALANCE W (M12 gigabit interface) for fast assembly with the FastConnect system

### Transmission 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

3+PE connector

Type of electrical connection / FastConnect

Yes

### Mechanical data

Material / of the enclosure

metal

Locking mechanism design

Screw

| Design, dimensions and weight   |                   |
|---------------------------------|-------------------|
| Type of cable outlet            | 180° cable outlet |
| Width                           | 16.8 mm           |
| Height                          | 16.8 mm           |
| Depth                           | 52 mm             |
| Net weight                      | 40 g              |
| Connectable cable cross-section | 6.5 ... 8 mm      |

| Permitted ambient conditions                                       |                |
|--|----------------|
| Ambient temperature  |                |
| <ul style="list-style-type: none"> <li>during operation</li> </ul> | -40 ... +85 °C |
| <ul style="list-style-type: none"> <li>during storage</li> </ul>   | -40 ... +85 °C |
| <ul style="list-style-type: none"> <li>during transport</li> </ul> | -40 ... +85 °C |
| Chemical resistance / to water                                     | resistant      |
| Protection class IP  | IP65/67        |

| Product properties, functions, components / general              |     |
|--|-----|
| Product feature  |     |
| <ul style="list-style-type: none"> <li>PoE capability</li> </ul> | Yes |
| <ul style="list-style-type: none"> <li>PoE+capability</li> </ul> | 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 |

| Standards, specifications, approvals  |       |
|---|-------|
| 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   |
| <ul style="list-style-type: none"> <li>Fire protection in accordance with EN 45545-2</li> </ul>   | Yes   |
| Standard for structured cabling   | Cat6A |

| Further Information / Internet Links  |   |
|---|---|
| Internet-Link   |   |
| <ul style="list-style-type: none"> <li>to website: Selector SIMATIC NET SELECTION TOOL</li> </ul> | <a href="http://www.siemens.com/snst">http://www.siemens.com/snst</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: 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>             |

last modified:

11/12/2018