

### product type designation

**IE FC RJ45 Plug 180 (4x2)**

### product description

RJ45 data connector

Industrial Ethernet FastConnect RJ45 plug 180 4x 2, RJ45 plug-in connector (10/100/1000 Mbit/s) with rugged metal enclosure and FC connection system, for IE FC Cable 4x 2 (AWG24); 180° cable outlet 1 pack = 1 unit



### suitability for use

For connection to IE FC TP cables 4x2, suitable for fast assembly with the FastConnect system

### transfer rate

transfer rate / for Industrial Ethernet

10 Mbit/s, 100 Mbit/s, 1000 Mbit/s

### interfaces

number of electrical connections

- for Industrial Ethernet FC TP cables
- for network components or terminal equipment

1

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  
RJ45 connector

type of electrical connection / FastConnect

Yes

### mechanical data

material / of the enclosure

metal

number of reuses

10

locking mechanism design

other

### design, dimensions and weights

type of cable outlet

180° cable outlet

width

13.7 mm

height

16 mm

depth

55 mm

net weight

35 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

-40 ... +85 °C

-40 ... +85 °C

relative humidity

- at 25 °C / without condensation / during operation / maximum

95 %

protection class IP

IP20

### 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>	No
standard for structured cabling	Cat6
<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 