

### Product type designation

Product description

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

RJ45 data connector

Industrial Ethernet FastConnect RJ45 plug 180 4x 2, RJ45 plug-in connector; CAT6A; (10/100/1000/10000 Mbit/s) with rugged metal enclosure and FC connection system, for IE FC Cable 4x 2 (AWG24); 180° cable outlet 1 pack = 50 units



### 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, 10000 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 insulation displacement contacts for 8- and 4-core TP FC installation cables (AWG24, AWG22)  
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

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
Relative humidity	
<ul style="list-style-type: none"> <li>at 25 °C / without condensation / during operation / maximum</li> </ul>	95 %
Protection class IP	IP20

Product features, product functions, product 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>	No
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>

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