

### 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 (10/100/1000 Mbit/s) with rugged metal enclosure and FC connection system, for IE FC TP 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
- silicon-free

Yes

Yes

Yes

|                                                   |      |
|---------------------------------------------------|------|
| product component                                 |      |
| • strain relief                                   | Yes  |
| <b>standards, specifications, approvals</b>       |      |
| certificate of suitability                        |      |
| • RoHS conformity                                 | Yes  |
| • UL approval                                     | Yes  |
| • cULus approval                                  | Yes  |
| • railway application in accordance with EN 50155 | No   |
| standard for structured cabling                   | Cat6 |
| reference code                                    |      |
| • according to IEC 81346-2:2019                   | XGA  |

#### further information / internet links

|                                                         |                                                                                                                                         |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| internet link                                           |                                                                                                                                         |
| • to website: Selection guide for cables and connectors | <a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a> |
| • to web page: selection aid TIA Selection Tool         | <a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>                                                         |
| • to website: Industrial communication                  | <a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a>                                                   |
| • to web page: SiePortal                                | <a href="https://sieportal.siemens.com">https://sieportal.siemens.com</a>                                                               |
| • to website: Image database                            | <a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>                                       |
| • to website: CAX-Download-Manager                      | <a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>                                                                   |
| • to website: Industry Online Support                   | <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>                                                 |

#### security information

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#### Approvals / Certificates

| General Product Approval | Test Certificates |
|--------------------------|-------------------|
|--------------------------|-------------------|

[Declaration of Conformity](#)



[Miscellaneous](#)

[Special Test Certificate](#)

| Marine / Shipping | Environment | Industrial Communication |
|-------------------|-------------|--------------------------|
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[Confirmation](#)

[PROFINET](#)

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