

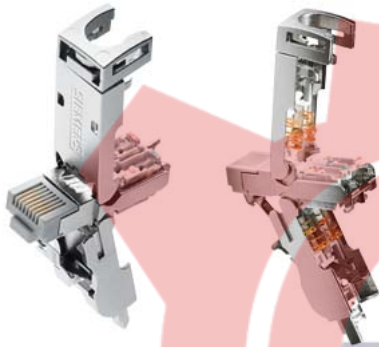
product type designation

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 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, 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-wire (AWG24) and 4-wire (AWG22) TP FC installation cables

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 mm²

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	
<ul style="list-style-type: none"> • strain relief 	Yes
standards, specifications, approvals	
certificate of suitability	
<ul style="list-style-type: none"> • RoHS conformity • UL approval • cULus approval • railway application in accordance with EN 50155 	Yes Yes Yes No
resistance to air pollution / conformity according to ANSI/ISA-71.04	Yes; G3
standard for structured cabling	Cat6A
reference code	
<ul style="list-style-type: none"> • according to IEC 81346-2:2019 	XGA

further information / internet links	
internet link	
<ul style="list-style-type: none"> • to website: Selection guide for cables and connectors • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to web page: SiePortal • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support 	https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://www.siemens.com/simatic-net https://sieportal.siemens.com https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com

security information	
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Approvals / Certificates

General Product Approval	Test Certificates	Marine / Shipping
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 CCC	 EAC	 UL	Miscellaneous	Special Test Certificate	 DNV
Marine / Shipping	Environment	Industrial Communication			
 LRS	Confirmation	PROFINET			

last modified: 4/8/2025 