

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	1
• for network components or terminal equipment	1
type of electrical connection	
• for Industrial Ethernet FC TP cables	integrated cut-and-clamp contacts for 8-wire TP FC installation cable
• for network components or terminal equipment	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	-40 ... +85 °C
• during storage	-40 ... +85 °C
• during transport	-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	Yes
• PoE+capability	Yes
• silicon-free	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>

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#### Approvals / Certificates

General Product Approval	Test Certificates
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[Declaration of Conformity](#)



[Miscellaneous](#)

[Special Test Certificate](#)

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

[PROFINET](#)

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