

## Data sheet

## 6GK1901-1BB11-2AA0

product type designation	<b>IE FC RJ45 Plug 180 (4x2)</b>
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 TP cable 4x 2 (AWG24); 180° cable outlet 1 pack = 1 unit.



Technical Product Detail Page	<a href="https://l.siemens.com/1P6GK1901-1BB11-2AA0">https://l.siemens.com/1P6GK1901-1BB11-2AA0</a>
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, 100, 1000 Mbit/s
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### interfaces

number of electrical connections	
<ul style="list-style-type: none"> <li>for Industrial Ethernet FC TP cables</li> </ul>	1
<ul style="list-style-type: none"> <li>for network components or terminal equipment</li> </ul>	1
type of electrical connection	
<ul style="list-style-type: none"> <li>for Industrial Ethernet FC TP cables</li> </ul>	integrated cut-and-clamp contacts for 8-wire TP FC installation cable
<ul style="list-style-type: none"> <li>for network components or terminal equipment</li> </ul>	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	
<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> <li>silicon-free</li> </ul>	Yes
product component	Yes
<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> <li>UL approval</li> <li>cULus approval</li> <li>railway application in accordance with EN 50155</li> </ul>	Yes Yes Yes No
standard for structured cabling	Cat6

**further information / internet links**

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

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**Approvals / Certificates**

**General Product Approval**

[Declaration of Conformity](#)



[China RoHS](#)



[Miscellaneous](#)

Test Certificates	Maritime application	other	Industrial Communication
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[Special Test Certificate](#)



[Miscellaneous](#)

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