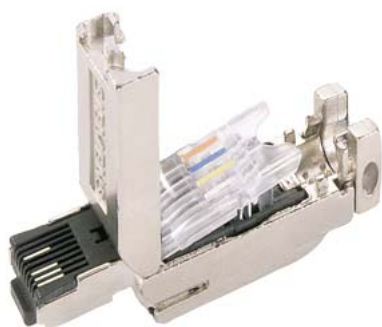


## Data sheet

**6GK1901-1BB10-2AE0**

### product type designation

### product description



### IE FC RJ45 Plug 180 (2x2)

### RJ45 data connector

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

### suitability for use

For connection to IE FC TP cables 2x2, suitable for fast assembly with the FastConnect system

### transfer rate

#### transfer rate / for Industrial Ethernet

10 Mbit/s, 100 Mbit/s

### interfaces

#### number of electrical connections

- for Industrial Ethernet FC TP cables
- for network components or terminal equipment

4  
1

#### type of electrical connection

- for Industrial Ethernet FC TP cables
- for network components or terminal equipment

integrated cut-and-clamp contacts for 4-wire TP FC installation cable 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 ... 6.5 mm

#### connectable conductor cross-section

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	
<ul style="list-style-type: none"> <li>• strain relief</li> </ul>	Yes
<b>standards, specifications, approvals</b>	
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	Cat5
<b>further information / internet-Links</b>	
Internet-Link	
<ul style="list-style-type: none"> <li>• to web page: selection aid TIA Selection Tool</li> </ul>	<a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</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: Selection guide for cables and connectors</li> </ul>	<a href="https://sie.ag/2QdlxcP">https://sie.ag/2QdlxcP</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>
<b>last modified:</b>	6/30/2021 