# **SIEMENS**

#### **Data sheet**

### 6GK1901-1BB10-2AA0

## 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 Cable 2x 2; 180 $^{\circ}$  cable outlet 1 pack = 1 unit

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	
<ul> <li>for Industrial Ethernet FC TP cables</li> </ul>	4
for network components or terminal equipment	1
type of electrical connection	
• for Industrial Ethernet FC TP cables	integrated cut-and-clamp contacts for 4-wire TP FC installation cable AWG22
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 6.5 mm
connectable conductor cross-section	0.33 mm <sup>2</sup>
ambient conditions	
ambient temperature	
<ul><li>during operation</li></ul>	-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	
<ul> <li>PoE capability</li> </ul>	Yes

<ul><li>PoE+capability</li></ul>	Yes
• silicon-free	Yes
product component	
strain relief	Yes
standards, specifications, approvals	
certificate of suitability	
<ul> <li>RoHS conformity</li> </ul>	Yes
<ul> <li>UL approval</li> </ul>	Yes
<ul> <li>cULus approval</li> </ul>	Yes
railway application in accordance with EN 50155	No
standard for structured cabling	Cat5
further information / internet-Links	
Internet-Link	
<ul> <li>to web page: selection aid TIA Selection Tool</li> </ul>	http://www.siemens.com/tia-selection-tool
<ul> <li>to website: Industrial communication</li> </ul>	http://www.siemens.com/simatic-net
<ul><li>to website: Industry Mall</li></ul>	https://mall.industry.siemens.com
<ul> <li>to website: Information and Download Center</li> </ul>	http://www.siemens.com/industry/infocenter
<ul> <li>to website: Selection guide for cables and connectors</li> </ul>	https://sie.ag/2QdlxcP
<ul><li>to website: Image database</li></ul>	http://automation.siemens.com/bilddb
<ul><li>to website: CAx-Download-Manager</li></ul>	http://www.siemens.com/cax
<ul> <li>to website: Industry Online Support</li> </ul>	https://support.industry.siemens.com

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