

### Product type designation

Product description

### SIPLUS NET RJ45 PLUG 180 2X2

RJ45 data connector

SIPLUS NET RJ45 plug 180 2x2 -40...+70°C with conformal coating based on 6GK1901-1BB10-2AA0 . RJ45 plug-in connector (10/100 Mbit/s) with rugged Metal enclosure and FC connection Technology, for IE FC Cable 2x2 180°Cable outlet 1 pack = 1 unit



Figure similar

### Suitability for use

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

### Transmission rate

Transfer rate / for Industrial Ethernet

10 Mbit/s, 100 Mbit/s

### Interfaces

Number of electrical connections

- for Industrial Ethernet FC TP cables 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
- for network components or terminal equipment RJ45 connector

Type of electrical connection / FastConnect

Yes

### Mechanical data

Material / of the enclosure

metal

Design, dimensions and weight	
Type of cable outlet	180° cable outlet
Width	13.7 mm
Height	16 mm
Depth	55 mm
Net weight	35 g

Permitted ambient conditions	
Ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> </ul>	-40 ... +70 °C
<ul style="list-style-type: none"> <li>during storage</li> </ul>	-40 ... +80 °C
<ul style="list-style-type: none"> <li>during transport</li> </ul>	-40 ... +80 °C
Ambient condition / relating to ambient temperature - air pressure - installation altitude	-40 ... +70°C at 1080 hPa ... 795 hPa (-1000 m ... +2000 m) // -40 ... +60°C at 795 hPa ... 658 hPa (+2000 m ... +3500 m) // -40 ... +50°C at 658 hPa ... 540 hPa (+3500 m ... +5000 m)
Relative humidity / with condensation / maximum	100 %
Resistance to biologically active substances / conformity acc. to EN 60721-3-3	Yes; Compliance with EN 60721-3-3, Class 3B2 mold, fungus, and sponge spores (except fauna). The supplied plug covers must remain in place over the unused interfaces during operation!
Resistance to chemically active substances / conformity acc. to EN 60721-3-3	Yes; Compliance with EN 60721-3-3, class 3C4 incl. salt spray according to EN 60068-2-52 (severity 3). The supplied plug covers must remain in place over the unused interfaces during operation!
Resistance to mechanically active substances / conformity acc. to EN 60721-3-3	Yes; Compliance with EN 60721-3-3, Class 3S4 including sand, dust. The supplied plug covers must remain in place over the unused interfaces during operation!
Protection class IP	IP20

Product properties, functions, components / general	
Product feature	
<ul style="list-style-type: none"> <li>silicon-free</li> </ul>	Yes
Product component	
<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> </ul>	Yes
<ul style="list-style-type: none"> <li>UL approval</li> </ul>	No
Standard for structured cabling	Cat5

Further Information / Internet Links	
Internet-Link	
<ul style="list-style-type: none"> <li>to website: Selector SIMATIC NET SELECTION TOOL</li> </ul>	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</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>

- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/industry/infocenter>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

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