

product description



Figure similar

RJ45 data connector

SIPLUS NET RJ45 plug 90 2x2 -40...+70°C with conformal coating based on 6GK1901-1BB20-2AA0 . RJ45 plug-in connector (10/100 Mbit/s) with rugged Metal enclosure and FC connection system for IE FC Cable 2x2, 90° 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

- 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  
RJ45 connector

type of electrical connection / FastConnect

Yes

### mechanical data

material / of the enclosure

metal

### design, dimensions and weights

type of cable outlet

90° cable outlet

width

13.7 mm

height

16 mm

depth

42 mm

net weight

35 g

### ambient conditions

ambient temperature

- in horizontal mounting position / during operation
- during storage and transport

70 ... -40 °C

70 ... -40 °C

installation altitude / at height above sea level / maximum

5000 m

ambient condition / relating to ambient temperature - air pressure - installation altitude

Tmin ... Tmax at 1 140 hPa ... 795 hPa (-1 000 m ... +2 000 m) // Tmin ... (Tmax - 10 K) at 795 hPa ... 658 hPa (+2 000 m ... +3 500 m) // Tmin ... (Tmax -20 K) at 658 hPa ... 540 hPa (+3 500 m ... +5 000 m)

relative humidity

- with condensation / acc. to IEC 60068-2-38 / maximum

100 %; RH including condensation/frost (no commissioning when condensation is present), horizontal installation

resistance to biologically active substances

- conformity acc. to EN 60721-3-3
- conformity acc. to EN 60721-3-6

Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request

Yes; Class 6B2 mold, fungal and dry rot spores (excluding fauna)

resistance to chemically active substances

- conformity acc. to EN 60721-3-3

Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); \*

<ul style="list-style-type: none"> <li>conformity acc. to EN 60721-3-6</li> </ul>	Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *
resistance to mechanically active substances <ul style="list-style-type: none"> <li>conformity acc. to EN 60721-3-3</li> <li>conformity acc. to EN 60721-3-6</li> </ul>	Yes; Class 3S4 incl. sand, dust, * Yes; Class 6S3 incl. sand, dust; *
environmental category / acc. to IEC 60721 / note	* The supplied plug covers must remain in place over the unused interfaces during operation!
coating / for equipped printed circuit board / acc. to EN 61086	Yes; Class 2 for high availability
type of coating <ul style="list-style-type: none"> <li>protection against pollution according to EN 60664-3</li> <li>for electronic devices in railway applications acc. to EN 50155</li> </ul>	Yes; protection of the type 3 Yes; protective coating of the Class PC2 according to EN 50155:2019
type of test / of the coating / acc. to MIL-I-46058C	Yes; Discoloration of coating possible during service life
product conformity / of the coating / Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies acc. to IPC-CC-830A	Yes; Conformal coating, Class A
protection class IP	IP20
<b>product features, product functions, product components / general</b>	
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
<b>standards, specifications, approvals</b>	
certificate of suitability <ul style="list-style-type: none"> <li>RoHS conformity</li> <li>UL approval</li> </ul>	Yes 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> <li>to website: Industrial communication</li> <li>to website: Industry Mall</li> <li>to website: Information and Download Center</li> <li>to website: Selection guide for cables and connectors</li> <li>to website: Image database</li> <li>to website: CAx-Download-Manager</li> <li>to website: Industry Online Support</li> </ul>	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a> <a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a> <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a> <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a> <a href="https://sie.ag/2QdlxcP">https://sie.ag/2QdlxcP</a>  <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a> <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>last modified:</b>	5/20/2021 