

Data sheet

6AG1901-1BB20-7AA0

Product type designation

Product description

SIPLUS NET RJ45 PLUG 90 2X2

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



Figure similar

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	
<ul style="list-style-type: none"> in horizontal mounting position / during operation 	70 ... -40 °C
<ul style="list-style-type: none"> during storage and transport 	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 1140 hPa ... 795 hPa (-1000 m ... +2000 m) // Tmin ... (Tmax - 10 K) at 795 hPa ... 658 hPa (+2000 m ... +3500 m) // Tmin ... (Tmax - 20 K) at 658 hPa ... 540 hPa (+3500 m ... +5000 m)
Relative humidity	
<ul style="list-style-type: none"> with condensation / acc. to IEC 60068-2-38 / maximum 	100 %
Resistance to biologically active substances	
<ul style="list-style-type: none"> conformity acc. to EN 60721-3-3 	Yes; Class 3B2 mold and fungal spores (excluding fauna); Class 3B3 on request
<ul style="list-style-type: none"> conformity acc. to EN 60721-3-6 	Yes
Resistance to chemically active substances	
<ul style="list-style-type: none"> 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"> conformity acc. to EN 60721-3-6 	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"> conformity acc. to EN 60721-3-3 	Yes; Class 3S4 incl. sand, dust; *
<ul style="list-style-type: none"> conformity acc. to EN 60721-3-6 	Yes; Class 6S3 incl. sand, dust; *
Environmental category / acc. to IEC 60721 / Note	*. The supplied plug covers must remain in place on 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"> protection against pollution according to EN 60664-3 	Yes
<ul style="list-style-type: none"> for electronic devices in railway applications acc. to EN 50155 	Yes
Type of test / of the coating / acc. to MIL-I-46058C	Yes; Coating discoloration during service life possible
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
Product features, product functions, product components / general	
Product feature	
• silicon-free	Yes
Product component	
• strain relief	Yes
Standards, specifications, approvals	
Certificate of suitability	
• RoHS conformity	Yes
• UL approval	No
Standard for structured cabling	Cat5
Further information / Internet-Links	
Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com
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