

Data sheet

6AG1901-1BB10-7AA0

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

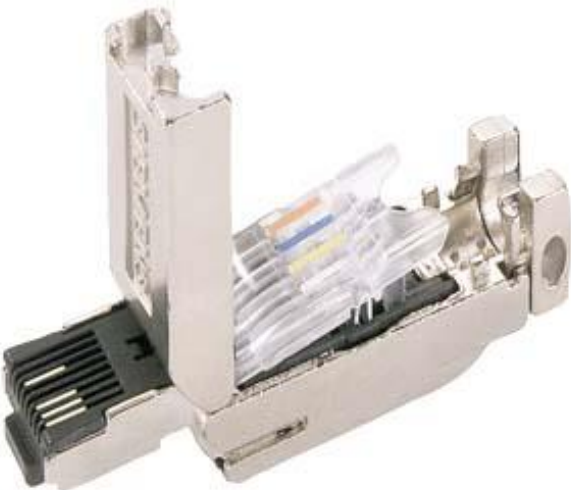


Figure similar

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

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

Ambient conditions

Ambient temperature	
• in horizontal mounting position / during operation	70 ... -40 °C
• 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	
• with condensation / acc. to IEC 60068-2-38 / maximum	100 %
Resistance to biologically active substances	
• conformity acc. to EN 60721-3-3	Yes; Class 3B2 mold and fungal spores (excluding fauna); Class 3B3 on request
• conformity acc. to EN 60721-3-6	Yes
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); *
• 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	
• conformity acc. to EN 60721-3-3	Yes; Class 3S4 incl. sand, dust; *
• 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	
• protection against pollution according to EN 60664-3	Yes
• 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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