

Product description

PROFIBUS bus connector, RS 485, screw, without PG socket, 90° SIPLUS DP PROFIBUS connector M R-90° Cable outlet -25...+70°C with conformal coating based on 6ES7972-0BA12-0XA0



Transfer rate

Transfer rate / with PROFIBUS DP	9.6 kbit/s ... 12 Mbit/s
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Interfaces

Number of electrical connections	
<ul style="list-style-type: none"> for PROFIBUS cables 	2
<ul style="list-style-type: none"> for network components or terminal equipment 	1
Type of electrical connection	
<ul style="list-style-type: none"> for PROFIBUS cables 	Screw
<ul style="list-style-type: none"> for network components or terminal equipment 	9-pin Sub-D connector

Mechanical data

Design of terminating resistor	Integrated resistor combination that can be selected with slide switch
Material / of the enclosure	plastic
Locking mechanism design	Screw

Design, dimensions and weights

Type of cable outlet	90 degree cable outlet
Width	15.8 mm

Height	64 mm
Depth	35.6 mm
Net weight	10 g

Ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> during operation 	-40 ... +70 °C
<ul style="list-style-type: none"> during storage 	-40 ... +70 °C
<ul style="list-style-type: none"> during transport 	-40 ... +70 °C
<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 / maximum 	100 %; RH incl. condensation/frost permitted (no commissioning when condensation is present)
<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; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request
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
Type of coating	
<ul style="list-style-type: none"> protection against pollution according to EN 60664-3 	Yes; Protection of the type 1
<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	
<ul style="list-style-type: none"> • silicon-free 	Yes
Product component	
<ul style="list-style-type: none"> • PG connection socket 	No
<ul style="list-style-type: none"> • strain relief 	Yes

Standards, specifications, approvals

Certificate of suitability	
<ul style="list-style-type: none"> • RoHS conformity 	Yes

Further information / Internet-Links

Internet-Link	
<ul style="list-style-type: none"> • to website: Selector SIMATIC NET SELECTION TOOL 	http://www.siemens.com/snst
<ul style="list-style-type: none"> • to website: Industrial communication 	http://www.siemens.com/simatic-net
<ul style="list-style-type: none"> • to website: Industry Mall 	https://mall.industry.siemens.com
<ul style="list-style-type: none"> • to website: Information and Download Center 	http://www.siemens.com/industry/infocenter
<ul style="list-style-type: none"> • to website: Image database 	http://automation.siemens.com/bilddb
<ul style="list-style-type: none"> • to website: CAx Download Manager 	http://www.siemens.com/cax
<ul style="list-style-type: none"> • to website: Industry Online Support 	https://support.industry.siemens.com

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