

Data sheet

6AG1972-0BA12-2XA0

Product type designation

Product description

PROFIBUS bus connector, RS485, screw, without PG socket, 90°
 PROFIBUS bus connector, RS485, screw, without PG socket, 90°
 SIPLUS DP PB CONNECTOR W R - 90 DEGREES CABLE OUTLET
 -25 ... +70 DEGREES C WITH CONFORMAL COATING BASED ON
 6ES7972-0BA12-0XA0



Suitability for use

For connecting PROFIBUS nodes to the PROFIBUS bus cable

Transmission rate

Transfer rate / with PROFIBUS DP

9.6 kbit/s ... 12 Mbit/s

Interfaces

Number of electrical connections

- for PROFIBUS cables
- for network components or terminal equipment

2
1

Type of electrical connection

- for PROFIBUS cables
- for network components or terminal equipment

Screw
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

Design, dimensions and weight

Type of cable outlet

90 degree cable outlet

Width	15.8 mm
Height	64 mm
Depth	35.6 mm
Net weight	10 g

Permitted ambient conditions

Ambient temperature	
• during operation	-25 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
Ambient condition / relating to ambient temperature - air pressure - installation altitude	Tmin ... Tmax at 1080 hPa ... 795 hPa (-1000 m ... +2000 m) // Tmin ... (Tmax - 10K) at 795 hPa ... 658 hPa (+2000 m ... +3500 m) // Tmin ... (Tmax - 20K) 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; Class 3B2 mold and fungal spores (except fauna); the supplied plug covers must remain in place on the unused interfaces during operation.
Resistance to chemically active substances / conformity acc. to EN 60721-3-3	Yes; Class 3C4 incl. salt spray; the supplied plug covers must remain in place on the unused interfaces during operation.
Resistance to mechanically active substances / conformity acc. to EN 60721-3-3	Yes; Class 3S4 incl. sand, dust; the supplied plug covers must remain in place on unused interfaces during operation.
Protection class IP	IP20

Product properties, functions, components / general

Product feature	
• silicon-free	Yes
Product component	
• PG connection socket	No
• strain relief	Yes

Standards, specifications, approvals

Certificate of suitability	
• RoHS conformity	Yes

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

last modified:

10/26/2016