

product type designation



PROFIBUS connector

SIPLUS DP PROFIBUS plug with R - with PG - 90 degrees based on 6ES7972-0BB12-0XA0 with conformal coating, -25...+70 °C, connection plug for PROFIBUS up to 12 Mbps, 90° cable outlet, terminating resistor with isolating function, with PG socket

mechanical data	
locking mechanism design	Screwed joint
ambient conditions	
ambient temperature - during operation - in horizontal mounting position / during operation - during storage and transport	-40 ... +70 °C 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 / maximum - with condensation / according to IEC 60068-2-38 / maximum	100 %; RH incl. condensation/frost permitted (no commissioning in bedewed state) 100 %; RH incl. condensation / frost (no commissioning in bedewed state), horizontal installation
resistance to biologically active substances - conformity according to EN 60721-3-3 - conformity according 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 and fungal spores (excluding fauna); Class 6B3 on request
resistance to chemically active substances - conformity according to EN 60721-3-3 - conformity according to EN 60721-3-6	Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); * Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *
resistance to mechanically active substances - conformity according to EN 60721-3-3 - conformity according to EN 60721-3-6	Yes; Class 3S4 incl. sand, dust, * Yes; Class 6S3 incl. sand, dust; *
environmental category / according to IEC 60721 / note	* The supplied plug covers must remain in place over the unused interfaces during operation!
coating / for equipped printed circuit board / according to EN 61086	Yes; Class 2 for high reliability
type of coating - protection against pollution according to EN 60664-3 - for electronic devices in railway applications according to EN 50155	Yes; Type 1 protection Yes; protective coating of the Class PC2 according to EN 50155:2023
type of test / of the coating / according 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 according to IPC-CC-830A	Yes; Conformal coating, Class A
standards, specifications, approvals	
reference code	

- according to IEC 81346-2
- according to IEC 81346-2:2019

XG
XGA

further information / internet links

internet link

- to website: Selection guide for cables and connectors
- to web page: selection aid TIA Selection Tool
- to website: Industrial communication
- to web page: SiePortal
- to website: Image database
- to website: CAX-Download-Manager
- to website: Industry Online Support

<https://support.industry.siemens.com/cs/ww/en/view/109766358>
<https://www.siemens.com/tstcloud>
<https://www.siemens.com/simatic-net>
<https://sieportal.siemens.com>
<https://www.automation.siemens.com/bilddb>
<https://www.siemens.com/cax>
<https://support.industry.siemens.com>

security information

security information

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Approvals / Certificates

General Product Approval



[Miscellaneous](#)



[Manufacturer Declaration](#)



EMV

For use in hazardous locations



[CCC-Ex](#)

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