

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 | |
| <ul style="list-style-type: none"> during operation in horizontal mounting position / during operation during storage and transport | <p>-40 ... +70 °C</p> <p>70 ... -40 °C</p> <p>70 ... -40 °C</p> |
| 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 | |
| <ul style="list-style-type: none"> with condensation / maximum with condensation / according to IEC 60068-2-38 / maximum | <p>100 %; RH incl. condensation/frost permitted (no commissioning in bedewed state)</p> <p>100 %; RH including condensation/frost (no commissioning when condensation is present), horizontal installation</p> |
| resistance to biologically active substances | |
| <ul style="list-style-type: none"> conformity according to EN 60721-3-3 conformity according to EN 60721-3-6 | <p>Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request</p> <p>Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request</p> |
| resistance to chemically active substances | |
| <ul style="list-style-type: none"> conformity according to EN 60721-3-3 conformity according to EN 60721-3-6 | <p>Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *</p> <p>Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *</p> |
| resistance to mechanically active substances | |
| <ul style="list-style-type: none"> conformity according to EN 60721-3-3 conformity according to EN 60721-3-6 | <p>Yes; Class 3S4 incl. sand, dust; *</p> <p>Yes; Class 6S3 incl. sand, dust; *</p> |
| 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 | |
| <ul style="list-style-type: none"> protection against pollution according to EN 60664-3 for electronic devices in railway applications according to EN 50155 | <p>Yes; Type 1 protection</p> <p>Yes; protective coating of the Class PC2 according to EN 50155:2023</p> |
| 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

XG

further information / internet-Links

Internet-Link

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

<http://www.siemens.com/snst>

<http://www.siemens.com/simatic-net>

<https://mall.industry.siemens.com>

<http://www.siemens.com/industry/infocenter>

<https://sie.ag/2QdlxcP>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

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