

Data sheet

6ES7972-0BB42-0XA0

product type designation

product description



PROFIBUS connector

PROFIBUS bus connector, RS 485, screw, with programming port, 35°

SIMATIC DP, Connection plug for PROFIBUS up to 12 Mbit/s with inclined cable outlet, 15.8x 54x 39.5 mm (WxHxD), terminating resistor with isolating function, With PG receptacle

suitability for use

for connecting PROFIBUS stations to the PROFIBUS bus cable

transfer rate

transfer rate / with PROFIBUS DP 9.6 kbit/s ... 12 Mbit/s

interfaces

number of electrical connections

- for PROFIBUS cables 2
- for network components or terminal equipment 1

type of electrical connection

- for PROFIBUS cables Screw
- for network components or terminal equipment 9-pin sub D connector

type of electrical connection / FastConnect

No

mechanical data

design of terminating resistor Resistor combination integrated and connectable via slide switch

material / of the enclosure plastic

locking mechanism design Screwed joint

design, dimensions and weights

type of cable outlet 35 degree cable outlet

width 15.8 mm

height 54 mm

depth 39.5 mm

net weight 34 g

ambient conditions

ambient temperature

- during operation -25 ... +60 °C
- during storage -40 ... +70 °C
- during transport -40 ... +70 °C

protection class IP IP20

product features, product functions, product components / general

product feature

- silicon-free Yes

product component

- PG connection socket Yes
- strain relief Yes

standards, specifications, approvals

certificate of suitability

- RoHS conformity Yes
- UL approval Yes

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

EMV



EG-Konf.



[Manufacturer Declaration](#)



RCM

For use in hazardous locations



ATEX

FM



UL



ATEX

[Type Examination Certificate](#)



IECEx

For use in hazardous locations

Marine / Shipping

[CCC-Ex](#)



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