

### 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

Technical Product Detail Page

<https://l.siemens.com/1P6ES7972-0BB42-0XA0>

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

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

**security information**

security information

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**Approvals / Certificates**

**General Product Approval**



[Manufacturer Declaration](#)

[Miscellaneous](#)



**General Product Approval**

**EMV**

**For use in hazardous locations**



[China RoHS](#)

[Manufacturer Declaration](#)



[FM](#)

**For use in hazardous locations**



[FM](#)



[Type Examination Certificate](#)

[CCC-Ex](#)

**Maritime application**



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