

## Data sheet

6ES7972-0BA61-0XA0

product type designation

product description



PROFIBUS connector

PROFIBUS bus connector, RS 485, Fast Connect, without programming port, 35°

SIMATIC DP, Connection plug for PROFIBUS up to 12 Mbit/s 35 degree cable outlet, Insulation displacement method FastConnect, without PG socket 15.8x 54x 39.5 mm (BxHxD)

Technical Product Detail Page

<https://i.siemens.com/1P6ES7972-0BA61-0XA0>

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

2

- for PROFIBUS cables

1

- for network components or terminal equipment

type of electrical connection

Integrated insulation displacement terminals for 2-core PB FC installation cables

- for PROFIBUS cables

9-pin sub D connector

- for network components or terminal equipment

type of electrical connection / FastConnect

Yes

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

29 g

ambient conditions

ambient temperature

-25 ... +60 °C

- during operation

-40 ... +70 °C

- during storage

-40 ... +70 °C

- during transport

protection class IP

IP20

product features, product functions, product components / general

product feature

Yes

- silicon-free

product component

No

- PG connection socket

Yes

- strain relief

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>  
<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](#)

[China RoHS](#)

[Manufacturer Declaration](#)



EMV

For use in hazardous locations



FM



FM



IECEx

For use in hazardous locations

Maritime application

[Type Examination Certificate](#)

[CCC-Ex](#)



LRS

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