

Data sheet

6ES7972-0BB52-0XA0
product type designation

product description


PROFIBUS connector

PROFIBUS bus connector, RS 485, Fast Connect, with programming port, 90°

SIMATIC DP, Connection plug for PROFIBUS up to 12 Mbit/s 90° cable outlet, Insulation displacement method FastConnect, With PG receptacle 15.8x 59x 35.6 mm (BxHxD)

Technical Product Detail Page

<https://l.siemens.com/1P6ES7972-0BB52-0XA0>

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

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

• for network components or terminal equipment

9-pin sub D connector

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

90 degree cable outlet

width

15.8 mm

height

59 mm

depth

35.6 mm

net weight

45 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
- UL approval

Yes
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>
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security information

security information

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Approvals / Certificates

General Product Approval



[Miscellaneous](#)

[China RoHS](#)

[Manufacturer Declaration](#)



General Product Approval

EMV

For use in hazardous locations



[FM](#)



[FM](#)

For use in hazardous locations

Maritime application



[Type Examination Certificate](#)

[CCC-Ex](#)



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