

## 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)

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
- for network components or terminal equipment

2

1

type of electrical connection

- for PROFIBUS cables
- for network components or terminal equipment

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

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
- during storage
- during transport

-25 ... +60 °C

-40 ... +70 °C

-40 ... +70 °C

protection class IP

IP20

## product features, product functions, product components / general

product feature

- silicon-free

Yes

product component

- PG connection socket
- strain relief

Yes

Yes

## standards, specifications, approvals

certificate of suitability

- RoHS conformity
- UL approval

Yes

Yes

reference code			
<ul style="list-style-type: none"><li>• according to IEC 81346-2</li><li>• according to IEC 81346-2:2019</li></ul>		XG XGA	
further information / internet links			
internet link			
<ul style="list-style-type: none"><li>• to website: Selection guide for cables and connectors</li><li>• to web page: selection aid TIA Selection Tool</li><li>• to website: Industrial communication</li><li>• to web page: SiePortal</li><li>• to website: Image database</li><li>• to website: CAX-Download-Manager</li><li>• to website: Industry Online Support</li></ul>		<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a> <a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a> <a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a> <a href="https://sieportal.siemens.com">https://sieportal.siemens.com</a> <a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a> <a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>	
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Approvals / Certificates			
General Product Approval			
		  	
<a href="#">Confirmation</a>		<a href="#">Miscellaneous</a>	
EMV	Test Certificates	Marine / Shipping	other
	<a href="#">Miscellaneous</a>	<a href="#">Special Test Certificate</a>	
		<a href="#">Miscellaneous</a>	<a href="#">Confirmation</a>
other	Railway	Dangerous goods	Environment
<a href="#">Miscellaneous</a>	<a href="#">Confirmation</a>	<a href="#">Special Test Certificate</a>	<a href="#">Transport Information</a>
		<a href="#">Environmental Confirmations</a>	<a href="#">Environmental Confirmations</a>

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