

## Data sheet

6ES7972-0BA12-0XA0

**product type designation**

product description



**PROFIBUS connector**

PROFIBUS bus connector, RS 485, screw, without programming port, 90°

SIMATIC DP, Connection plug for PROFIBUS up to 12 Mbit/s 90° cable outlet, 15.8x 64x 35.6 mm (WxHxD), terminating resistor with isolating function, without PG socket

**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 90 degree cable outlet

width 15.8 mm

height 64 mm

depth 35.6 mm

net weight 36 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 No
- 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>  
<http://www.siemens.com/cax>  
<https://support.industry.siemens.com>

#### security information

##### security information

Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit [www.siemens.com/cybersecurity-industry](http://www.siemens.com/cybersecurity-industry). Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under <https://www.siemens.com/cert>. (V4.7)

#### Approvals / Certificates

##### General Product Approval



[Confirmation](#)



##### General Product Approval

##### EMV

##### Test Certificates

##### Marine / Shipping

KC



[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



##### Marine / Shipping



##### other

##### Railway

##### Environment

[Confirmation](#)

[Miscellaneous](#)

[Special Test Certificate](#)

[Environmental Confirmations](#)



last modified:

11/8/2024