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Data sheet 6ES7972-0BA30-0XA0

product type designation	**PROFIBUS connector**
product description	PROFIBUS bus connector, RS 485, Fast Connect, without programming port, 30°



*** spare part *** SIMATIC DP, bus connection plug for PROFIBUS with inclined cable outlet, max. 1.5 Mbaud, insulation displacement termination method, 15x 57.6x 39.5 mm (WxHxD), without bus terminating resistor and programming device socket

product brand name	SIMATIC
suitability for use	for connecting PROFIBUS stations to the PROFIBUS bus cable
transfer rate	
transfer rate / with PROFIBUS DP	9.6 kbit/s ... 1.5 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	No integrated terminating resistor
material / of the enclosure	plastic
locking mechanism design	Screwed joint
design, dimensions and weights	
type of cable outlet	30 degree cable outlet
width	15 mm
height	57.6 mm
depth	39.5 mm
net weight	30 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	

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● RoHS conformity	Yes
● UL approval	Yes

further information / internet links

internet link	
● to website: Selection guide for cables and connectors	https://www.siemens.plc.com/?s=6ES7972-0BA30-0XA0
● to web page: selection aid TIA Selection Tool	https://www.siemens.plc.com/?s=6ES7972-0BA30-0XA0
● to website: Industrial communication	https://www.siemens.plc.com/?s=6ES7972-0BA30-0XA0
● to web page: SiePortal	
● to website: Image database	https://www.siemens.plc.com/?s=6ES7972-0BA30-0XA0
● to website: CAx-Download-Manager	https://www.siemens.plc.com/?s=6ES7972-0BA30-0XA0
● to website: Industry Online Support	https://www.siemens.plc.com/?s=6ES7972-0BA30-0XA0

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. 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.plc.com/?s=6ES7972-0BA30-0XA0 . (V4.7)

Approvals / Certificates

General Product Approval

Miscellaneous | Manufacturer Declaration

General Product Approval

China RoHS | Manufacturer Declaration

EMV

For use in hazardous locations

FM

For use in hazardous locations

FM

Maritime application

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