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Data sheet 6ES7972-0BB12-0XA0

product type designation	**PROFIBUS connector**
product description	PROFIBUS bus connector, RS 485, screw, with 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, With PG receptacle

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	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	Yes
● UL approval	Yes
reference code	

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● according to IEC 81346-2	XF
● according to IEC 81346-2:2019	XGA

further information / internet links

internet link	
● to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to website: Industrial communication	https://www.siemens.com/simatic-net
● to web page: SiePortal	https://sieportal.siemens.com
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com

security information

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Approvals / Certificates

General Product Approval

CE EG-Konf.	UKCA	CCC	Manufacturer Declaration	RCM	RCM

EMV

For use in hazardous locations

ATEX	FM	UL	FM	ATEX	Type Examination Certificate

For use in hazardous locations

IECEx	CCC-Ex

Marine / Shipping

LRS	PRS

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