MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6ES7972-0BA52-0XA0

FASTCONNECT PROFIBUS BUS CONNECTOR

Used with the applicable SIMATIC DP PROFIBUS RS485 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens SIMATIC DP PROFIBUS RS485 applicable manufacturer data

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Data sheet 6ES7972-0BA52-0XA0

product type designation	**PROFIBUS connector**
product description	PROFIBUS bus connector, RS 485, Fast Connect, without programming port, 90°
	SIMATIC DP, Connection plug for PROFIBUS up to 12 Mbit/s 90° cable outlet, Insulation displacement method FastConnect, without PG socket 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	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	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

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reference code	
● according to IEC 81346-2	XG
further information / internet links	
internet link	
● to website: Selection guide for cables and connectors	https://sie.ag/2QdlxcP

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