

Data sheet

6ES7972-0BB70-0XA0

Product type designation	PROFIBUS bus connector, RS485, Fast Connect, with PG socket, 90°
Product description	PROFIBUS bus connector, RS485, Fast Connect, with PG socket, 90° SIMATIC DP,BUS CONNECTOR FOR PROFIBUS UP TO 12 MBIT/S 90 DEGREE ANGLE CABLE OUTLET, 15,8 X 72,2 X 36,4 MM (WXHxD), IPCD TECHNOLOGY FAST CONNECT, WITH PG SOCKET



Suitability for use	For connecting PROFIBUS nodes to the PROFIBUS bus cable
Transmission 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 contacts 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	Integrated resistor combination that can be selected with slide switch

Material / of the enclosure	plastic
Locking mechanism design	Screw

#### Design, dimensions and weight

Type of cable outlet	90 degree cable outlet
Width	15.8 mm
Height	72 mm
Depth	36.4 mm
Net weight	10 g

#### Permitted ambient conditions

Ambient temperature	
• during operation	-25 ... +60 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
Protection class IP	IP20

#### Product properties, functions, 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
<b>last modified:</b>	13.05.2016