

Data sheet

6ES7972-0BA42-0XA0

Product type designation
Product description

PROFIBUS bus connector, RS485, screw, without PG socket, 35°
PROFIBUS bus connector, RS485, screw, without PG socket, 35°
SIMATIC DP, BUS CONNECTOR FOR PROFIBUS UP TO 12
MBIT/S WITH TILTED CABLE OUTLET, 15,8 X 54 X 39,5 MM
(WXHxD), TERMINAT. RESIST. WITH ISOLAT. FUNCTION,
WITHOUT 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	Screw
Type of electrical connection / FastConnect	No
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	

Width	15.8 mm
Height	54 mm
Depth	39.5 mm
Net weight	60 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	No
• strain relief	Yes

Standards, specifications, approvals

Certificate of suitability	
• RoHS conformity	Yes
• UL approval	Yes

last modified: 12.02.2016