SIEMENS

Data sheet 6ES7972-0BB42-0XA0

| Product description | PROFIBUS bus connector, RS 485, screw, with PG socket, 35° SIMATIC DP, Connection plug for PROFIBUS up to 12 Mbit/s with inclined cable outlet, 15.8x 54x 39.5 mm (WxHxD), terminating resistor with isolating function, With PG receptacle |

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	Integrated resistor combination that can be selected with slide switch
Material / of the enclosure	plastic
Locking mechanism design	Screw

Design, dimensions and weights	
Type of cable outlet	35 degree cable outlet

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Width	15.8 mm
Height	54 mm
Depth	39.5 mm
Net weight	67 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	
• acc. to DIN EN 81346-2	XF

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