

SIMATIC DP PROFIBUS RS485

Product Data Sheet

6ES7972-0BB41-0XA0

PROFIBUS Connector With Programming Port

MAXIMUM TRANSMISSION RATE	PROGRAMMING-DEVICE SOCKET	BUS TERMINATION	CABLE OUTLET ANGLE
12 Mbit/s	Provided	Integrated resistor with outgoing-cable disconnect	35°

Siemens 6ES7972-0BB41-0XA0 is a profibus connector with programming port in the SIMATIC DP PROFIBUS RS485 range. It supports the documented automation configuration in industrial equipment.

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VERIFIED TECHNICAL DATA

Maximum transmission rate	12 Mbit/s
Programming-device socket	Provided
Bus termination	Integrated resistor with outgoing-cable disconnect
Cable outlet angle	35°
Station interface	9-pin D-sub male
Cable wire terminals	4 screw positions, up to 1.5 mm ²
Permitted cable diameter	8 ± 0.5 mm
End-device supply	4.75 to 5.25 V DC
Current consumption	5 mA maximum
Operating ambient	0 to 60 deg C

ADDITIONAL PRODUCT DATA

Transport and storage ambient	-25 to 80 deg C
Relative humidity	75% maximum at 25 deg C
Protection degree	IP20

DOCUMENTED USE SETTINGS

Food Processing and Beverage Production Industries: Food Processing and Packaging.

Packaging Manufacturing and Industrial Filling Production: Industrial Packaging Production.

Metalworking and Precision Metal Component Production: Precision Metal Parts Production.

SYSTEM COMPATIBILITY

Match 6ES7972-0BB41-0XA0 to the accepted SIMATIC DP PROFIBUS RS485 configuration and associated parts before integration.

PRODUCT EVIDENCE

Siemens SIMATIC DP PROFIBUS RS485 applicable manufacturer data