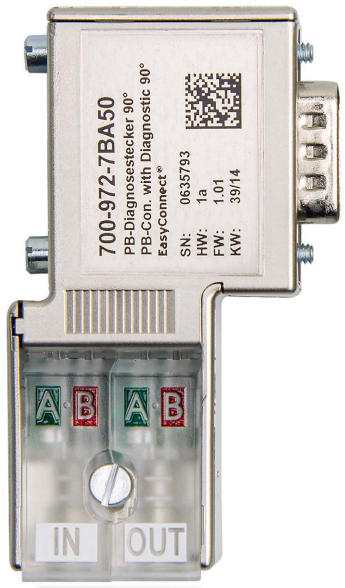
700-972-7BA50



PROFIBUS Connector with Diagnostics LED

90° EasyConnect® without PG

- 3 status LEDs to indicate “bus operation,” “participant is sending,” “terminating resistor inserted”
- Metalized housing
- No parts that can be lost
- Integrated switchable terminating resistor
- 90° cable outlet
- Quick-connect technology EasyConnect®
- Visual connection control
- The PROFIBUS connectors are also available in packs of 10 or 50
- The maximum ambient temperature for UL is +60 °C

Info

PROFIBUS connector - proven and worldwide in use. With the aid of a visual connection control, it is also possible to check that the PROFIBUS cable is correctly connected after it is mounted.For improved EMC compatibility, the housing of the plug is metalized.Using the PROFIBUS connector diagnosis, a PROFIBUS network can be established in which the user can at any time check the state of the bus system at a glance.The three built-in LEDs with the easily distinguished colors blue, green, and orange indicate the most important states of the PROFIBUS network at each station. The state of the terminating resistor (orange), whether bus activity is present (green), and whether the addressed participant is participating in the bus traffic (blue) are displayed.In this way you can immediately recognize error states such as bus interrupts, missing or incorrectly connected terminating resistors, and malfunctioning or failed bus participants.The EasyConnect® connector works in the extended ambient temperature range of -25 °C to +85 °C.

Technical data

General information	
Order number	700-972-7BA50
Article name	PROFIBUS connector, 90 °, EasyConnect®, diagnostics LED, without PG
Scope of delivery	PROFIBUS connector, installation instructions
Dimensions (DxWxH)	40 x 17 x 72 mm
Weight	Approx. 40 g
Cable outlet	Vertical cable outlet, suitable for FastConnect stripping tool
Terminating resistor	Resistor combination integrated and switchable using slide switch
PG connection socket	No
PROFIBUS bus cable	FC standard cable, rigid or flexible, 0.64 mm Ø, 60/75 °C copper cable
Connector type	EasyConnect®
Status indicator	1 LED, 3-color
Voltage supply	+4.75 ... +5.25 V DC (must come from the device)
Current draw	Max. 35 mA

PROFIBUS interface	
Number	1
Transmission rate	max. 12 Mbps
Connection	SUB-D connector, 9-pin

Ambient conditions	
Ambient temperature	-25 °C ... +85 °C(The maximum ambient temperature for UL is +60 °C.)
Transport and storage temperature	-25 °C ... +85 °C
Relative air humidity	70 % at +25 °C
Pollution degree	2
Protection rating	IP20
Approvals	CE, UL