PROFIBUS Connector, 90° with diagnostic LEDs, EasyConnect®

EasyConnect® PROFIBUS connector axial

Features

- 3 LEDs status displays
- Integrated terminating resistors
- No loosable parts
- Small housing
- Visual connection control
- EasyConnect® technology

The new EasyConnect® diagnostic PROFIBUS connector allows you to build a PROFIBUS network in which the user can always check the state of the bus system at a glance.

The three built-in LEDs in the easily distinguishable 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 in progress (green), and whether the station addressed is participating in bus traffic (blue) are all indicated.
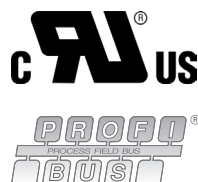
This means errors, such as bus interruptions, missing or incorrectly connected terminating resistors, and malfunctioning or failed bus stations can be detected immediately.

The PROFIBUS diagnostic connector with tried-and-tested and reliable screw terminals can be supplied with or without a programmer (PG) jack.

The new EasyConnect® connectors feature quick-connect technology, which makes stripping the bus wires superfluous. The bus connector is used to connect a PROFIBUS station to the PROFIBUS cable.

Technical Data	
Programming device connector Order No. 700-972-7BB12 Order No. 700-972-7BA12	**yes** **no**
Dimensions (DxWxH mm)	64 x 40 x 17
Weight	approx. 40 g
Outgoing cable	vertical outgoing cable suitable for Fast-Connect[1] stripping tool
Terminating resistor	Resistor combination integrated and connectable with slide switch
Transmission rate max.	12 Mbps
Interfaces PROFIBUS station	SUB-D connector, 9-way
Max. outside diameter	8.0 mm
PROFIBUS cable	FC standard cabel solid, 0.64 mm^2 60/70°C copper wire
Connection type	EasyConnect®
Voltage consumption	4.75 ... 5.25 V DC (must come from connected equip.)
Current consumption max.	35 mA
Environmental pollution degree	2
Surrounding air temperature Transport and storage temperature Relative humidity max.	0° C ... +60° C -25° C ... +80° C 75 % at +25° C
Degree of protection	IP 20

Ordering Data	
	Order-No.
PROFIBUS connector 90° with diagnostic LEDs EasyConnect® for solid cable, without progr. device connector	**700-972-7BA50**
for solid cable, with progr. device connector	**700-972-7BB50**
for flexible cable, without progr. device connector	**700-972-7FA50**
for flexible cable, with progr. device connector	**700-972-7FB50**
Stripping tool for PROFIBUS	**700-972-6AA00**

1) FastConnect is a registered trademark of Siemens AG.

PROFIBUS Connector 90° with diagnostic LEDs

Bus connectors for PROFIBUS 90° with diagnostic LEDs

Features

- 3 status LEDs indicate „bus operation", „station transmitting", „terminating resistor inserted"
- Screw terminals
- Integrated switchable terminating resistors
- No loosable parts
- Small housing

The PROFIBUS diagnostic connector can be used to connect a PROFIBUS network in which the user can check the status of the bus system at any time 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 in progress (**green**) and whether the station addressed is participating in bus traffic (**blue**) are all indicated.

This means errors, such as bus interruptions, missing or incorrectly connected terminating resistors and malfunctioning or failed bus stations can be detected immediately.

The PROFIBUS diagnostic connector with screw terminals can be supplied with or without a programming (PG) device connector.

Technical Data

Technical Data	
Programming device connector Order No. 700-972-7BB12 Order No. 700-972-7BA12	**yes** **no**
Dimensions (DxWxH mm)	64 x 40 x 17
Weight	approx. 40 g
Outgoing cable	vertical outgoing cable suitable for Fast-Connect[1] stripping tool
Terminating resistor	Resistor combination integrated and connectable with slide switch
Transmission rate max.	12 Mbps
Interfaces PROFIBUS station	SUB-D connector, 9-way
Max. outside diameter	8.0 mm
PROFIBUS cable	60/70°C copper wire up to 1.0 mm^2
Connection type	4 terminals
Voltage consumption	4.75 ... 5.25 V DC (must come from connected equip.)
Current consumption max.	35 mA
Environmental pollution degree	2
Surrounding air temperature Transport and storage temperature Relative humidity max.	0° C ... +60° C -25° C ... +80° C 75 % at +25° C
Degree of protection	IP 20

Ordering Data

Ordering Data	Order-No.
Bus connector for PROFIBUS 90° with diagnostic LEDs 90° cable outlet without prog. device connector 90°	**700-972-7BA12**
90° cable outlet with prog. device connector 90°	**700-972-7BB12**
Stripping tool for PROFIBUS	**700-972-6AA00**

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