

Product Description

For usage in explosion hazardous areas of zone 2 (explosiv gasatmosphere appears seldom and for very short time); Standardized interfaces; Cost saving because of quick installation; Easy to connect



Application range

- Automation technology
- Mechanical engineering
- Plant engineering
- Tool shop
- Control engineering

Benefits

- For usage in explosion hazardous areas of zone 2 (explosiv gasatmosphere appears seldom and for very short time)
- Standardized interfaces
- Cost saving because of quick installation
- Easy to connect

Design

- Sub-D plug, 9-pole
- Metalized housing
- Cable outlet 90°
- For cable diameter: 5.0 ... 8.0 mm
- (-PG) Additionally with programming/diagnostic interface: Sub-D socket, 9-pole

Approvals (Norm references)



- Sub-D connection / pin assignment in accordance with PROFIBUS
- EN 60079-0:2006, EN 60079-15:2005 category 3G zone 2

Product features

- Screwing connection
- Switchable terminating resistor integrated
- Switch can also be operated when the connector is plugged and setting is clearly visible
- When being used as a through connector (two cable connections, node) the switch must be in the "OFF" position, if being as a terminal resistor (one cable connection) the switch must be in the "ON" position
- If the switch is in the "ON" position the outgoing bus cable is disconnected

Technical Data

Dimensions

64 mm x 40 mm x 17 mm (LxWxH)

Termination resistor

Resistor combination integrated, connectable with slide switch

Connection type

Screwing

Weight

approx. 40 g

Outgoing cable

90°

Interfaces

PROFIBUS-station: SUB-D socket, 9-pole

PROFIBUS-cable: 4 terminals for wires up to 1,0 mm²

Degree of protection

IP20

Current consumption

max. 12.5 mA

Transmission rate

max. 12 MBit/s

Pollution degree

2

Voltage consumption

4.75 .. 5.25 V DC (device is energized)

Permissible ambient conditions

Surrounding air temperature: 0°C...+60°C Transport and storage temperature: -25°C...+80°C Relative humidity: max. 75% at +25°C

Article List

Part number	Article designation	Outgoing cable	PG	Pieces / PU
EPIC® Data PROFIBUS Connectors				
21700543	ED-PB-90-ATEX	90°	no	1
21700542	ED-PB-90-PG-ATEX	90°	yes	1

Footnote:



All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Photographs are not to scale and do not represent detailed images of the respective products.

For detailed information please see www.lappautomation.com