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| 21700502                  | <b>DATA SHEET</b>  |  |
| Valid from:<br>17.09.2018 | <b>ED-PB-90-FC</b> |                                                                                     |

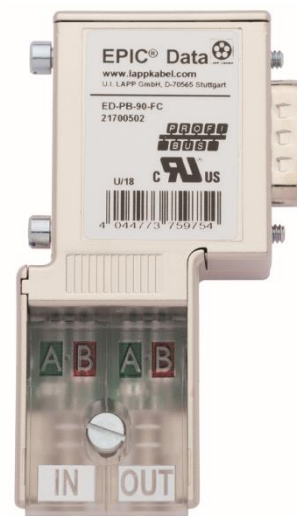
PROFIBUS bus connector, Sub-D with Fast Connect,  
Cable outlet 90°, integrated terminating resistor, with 12 Mbit/s

## Approvals



## Technical data

|                                     |                                                                                                                                                |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Cable outlet:                       | 90°                                                                                                                                            |
| Connection type:                    | Fast Connect                                                                                                                                   |
| Programming-/Diagnosis-interface:   | No                                                                                                                                             |
| For cable type:                     | Solid conductor (versions with "S" at the cover)<br>Solid conductor/ 7-/ 19-wires (version from 01.07.2015, identifiable with the missing "S") |
| For outer cable diameter:           | 5.0 to 8.0 mm                                                                                                                                  |
| Degree of protection:               | IP20                                                                                                                                           |
| Pollution degree:                   | 2                                                                                                                                              |
| Dimensions:                         | 72 x 40 x 17 mm (LxWxH)                                                                                                                        |
| Terminating resistor:               | 150 Ω, integrated, connectable via slide switch                                                                                                |
| Interfaces:                         | PROFIBUS- participant: Sub-D socket, 9-pins<br>PROFIBUS-cable: FC standard cable, Ø 0.64 mm                                                    |
| Transmission rate:                  | Max. 12 Mbit/s                                                                                                                                 |
| Supply voltage:                     | 4.75 to 5.25 V DC (from terminal)                                                                                                              |
| Current consumption:                | Max. 12.5 mA                                                                                                                                   |
| Operating temperature:              | - 25 °C to +70 °C<br>*The maximum ambient temperature for UL is + 60 °C                                                                        |
| Transport- and storage temperature: | - 25 °C to + 80 °C                                                                                                                             |
| Relative humidity:                  | Max. 75 % at + 25 °C                                                                                                                           |
| Material, housing:                  | Metallized housing                                                                                                                             |
| Fixture screw:                      | 4-40 UNC                                                                                                                                       |
| Norms/approvals:                    | IEC 61158<br>IEC 61784<br>UL-File E331560<br>EC001132                                                                                          |
| ETIM 5.0 Class-ID:                  |                                                                                                                                                |

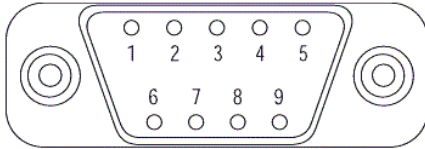


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## Description

When used in the middle of a PROFIBUS network (two cable connections, node) the switch at the connector must be in the 'OFF' position. If used as a terminating connector (one cable connection, segment end), the switch must be in the 'ON' position. If the switch is in the 'ON' position the outbound bus cable is disconnected.



## Application range

Automation, industrial machinery and plant engineering

## Note

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

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