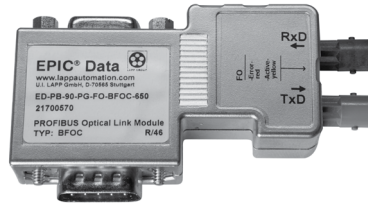




EPIC® DATA PB Sub-D FO
PROFIBUS Connectors Optical Link Modul

Info

- PROFIBUS repeater with integrated optical interface



Benefits

- Easy covering of large distances (PCF 250 m / POF 65 m)
- Cost-efficient due to quick installation (Plug & Play)
- Galvanic isolation in case of potential differences within PROFIBUS network
- For EMC critical environments
- Integrated repeater functionality: Regeneration of data signal (slope, power and mark-to-space ratio)

Product features

- Max. distance: POF fiber: 65 m / PCF fiber: 250 m
- Diagnostic LEDs (blue, green, red, yellow)
- Bus termination is integrated
- Current consumption typ. 100 mA
- Supply voltage 5.0 V DC (supplied from the terminal)

Norm references / Approvals

- IEC 61158, IEC 61784

Product Make-up

- D-Sub plug, 9-pin, fixing screws 4-40 UNC
- Improved electromagnetic compatibility (EMC) by metallized housing
- Versions with additional Sub-D interface for programming/diagnostic ('PG')
- An external 24 V supply is not necessary
- Connection for optical cable (POF or PCF)

Suitable cables

- HITRONIC® POF DUPLEX BUFFERED FIBRES Page 490
- HITRONIC® POF DUPLEX CABLE Page 491
- HITRONIC® POF cables for PROFINET Applications Page 492

Suitable connectors

- HBFR, SMA and BFOC(ST)

Technical data

ETIM ETIM 5.0 Class-ID: EC001132
ETIM 5.0 Class-Description: D-Sub connector

Dimensions 64 mm x 40 mm x 17 mm (LxWxH)

IP **Protection rating** IP 20

Interfaces
Connection: Sub-D socket, 9-pin
FO-cable:
- Polymeric-optical-fiber (POF), 650 nm
- Polymer-cladded-fiber (PCF), 650 nm

Permissible ambient conditions
Operating temperature: 0°C to +60°C

Article number	Article designation	PG-Interface	Diagnostic LEDs	PU
90° cable outlet				
For HFBR connector				
21700568	ED-PB-90-PG-FO-HFBR-650	yes	yes	1
For SMA connector				
21700569	ED-PB-90-PG-FO-SMA-650	yes	yes	1
For BFOC(ST) connector				
21700570	ED-PB-90-PG-FO-BFOC-650	yes	yes	1

Applicable optical connectors (POF) included
Photographs are not to scale and do not represent detailed images of the respective products.
Note: For one optical link 2 modules are required

Accessories

- PCF Assembly Sets refer to page 504
- PCF Connector HFBR refer to page 503
- PCF Connector F-SMA and ST(BFOC) refer to page 503
- POF Assembly Sets refer to page 496
- POF Connector F-SMA and ST(BFOC) refer to page 494
- POF Connector SC-RJ refer to page 495