



The RS485/PR0FIBUS Optical Fibre T-coupler reroutes the PR0FIBUS from copper conductors to optical fibres. The coupler is a passive bus participant. The optical fibre T-coupler allows great ranges to be bridged in plants using PROFIBUS, and is resistant to interference. The electronics for the signal conversion are accomodated in the flameproof MODEX enclosure. The transmitter and receiver for the optical fibre T-coupler are activated in an intrinsically safe way, thereby ensuring that the transmission power of the transmitter does not exceed the permitted limits.

Explosion protection

| • | | |
|------------------------------|---|--|
| Marking ATEX | ⟨Ex⟩ I 2G Ex db e [ib] IC Gb⟨Ex⟩ M2 Ex db e [ib] Mb | |
| Certification | PTB 97 ATEX 1068 U TÜV 99 ATEX 1404 X | |
| Marking IECEx | Ex db e [ib] IIC Gb Ex db e [ib] I Mb | |
| Certification | IECEx PTB 11.0083U IECEx TUN 12.0024X | |
| Marking CSA | Class I Zone 1 IIC A/Ex d e [ib] IIC Gb | |
| Certification | CSA 2011-2484303U | |
| Other approvals and certific | ates, see www.bartec.de | |
| Installation | Type 17-1923-1133/0000 ⟨♠⟩ II (2)G / II (2)D [Ex ib Gb] IIC [Ex ib Db] IIIC | |
| Optical fibre | Transmitter Type 17-2114-0002 ⟨₤⟩ II 2G / II 2D Ex ib op is IIC T4 Gb Ex ib IIIC TX* °C Db Receiver | |
| | Type 17-2114-0003 ⟨₤⟩ II 2G / II 2D Ex ib IIC T4 Gb Ex ib IIIC TX* °C Db | |
| | Further safety data see EC type examination certificate. | |
| | * See instruction manual for details. | |

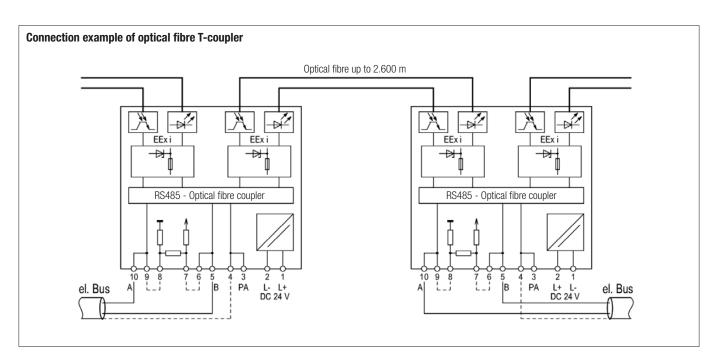
Technical data

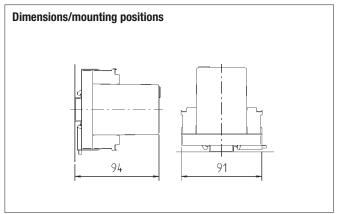
| Construction | Clip-on enclosure to TH 35 | |
|---------------------|-------------------------------------|--|
| Enclosure material | High-quality thermoplastic | |
| Protection class | At least IP 20 | |
| Terminals | 2.5 mm ² , fine stranded | |
| Device designation | Front plate for labelling | |
| Displays | LEDs on front panel | |
| Storage temperature | -40 °C to +70 °C | |
| Ambient temperature | -25 °C to +60 °C at T4 | |
| Weight | 600 g | |

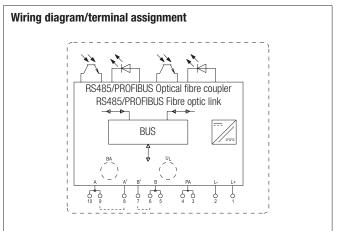
Electrical data

| Supply voltage | DC 20 V to DC 30 V | | |
|----------------------------|--|--|--|
| Power dissipation | max. $P_v = 0.90 \text{ W (Module)}$ | | |
| Galvanic isolation | Bus//power supply//optical fibre | | |
| Bus input/output | 2-wire remote bus with screw terminals | | |
| Optical fibre input/output | FSMA Optical fibre plug-in connectors or ST Optical fibre plug-in connectors | | |
| Wavelength | 850 nm/glass | | |
| Displays | operation LED green active bus LED yellow | | |
| Range | 1400 m; 50.0 µm fibre/glass 2600 m; 62.5 µm fibre/glass | | |









Ordering information

| T-coupler | FSMA | 07-7311-97WP/4000 |
|-----------|------|-------------------|
| T-coupler | ST | 07-7311-97WP/4010 |

Technical data subject to change without notice.