



The RS485/PROFIBUS optical fibre branch coupler reroutes the PROFIBUS from copper conductors to optical fibres. The coupler is a passive bus participant. The transmitter and receiver for the optical fibre branch coupler are activated in an intrinsically safe way, thereby ensuring that the transmission power of the transmitter does not exceed the permitted limits. The electronics for the signal conversion are accommodated in the flameproof MODEX enclosure. Transmitter and receiver for the Optical fibre coupler are intrinsically safe headed during the execution. The transmitter and receiver for the optical fibre 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	II 2(1)G Ex db e [ib] IIC Gb I M2 Ex db e [ib] I 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 certificates, see www.bartec.de	
Installation	Type 17-1923-1133/0000 II (2) G / II (2) D [Ex ib Gb] IIC [Ex ib Db] IIC
Optical fibre	Transmitter Type 17-2114-0002 II 2 G / II 2 D Ex ib op is IIC T4 Gb Ex ib IIIC TX* °C Db Receiver Type 17-2114-0003 II 2 G / II 2 D Ex ib IIC T4 Gb Ex ib IIIC TX* °C Db Further safety data see EC type examination certificate. * See instruction manual for details.

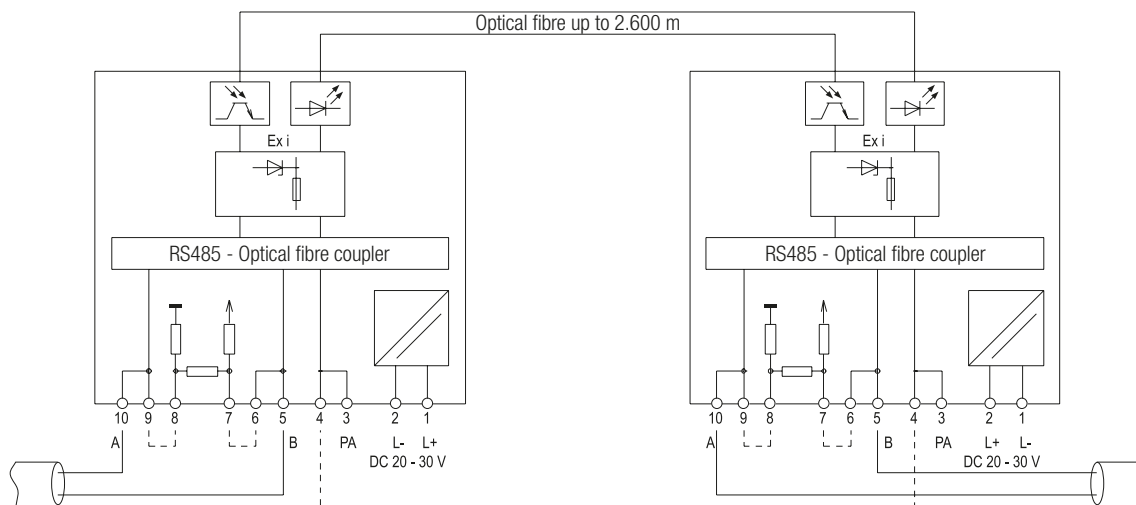
Technical data

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

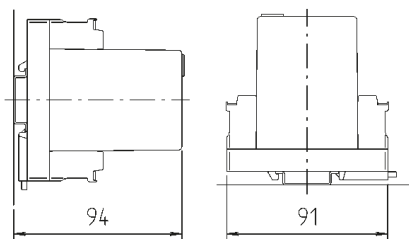
Supply voltage	DC 20 V to DC 30 V
Power dissipation	max. P _v = 0.85 W (Module)
Galvanic isolation	Bus//power supply//optical fibre
Bus input/output	2-wire remote bus with screw terminals
Optical fibre input/output	F-SMA Optical fibre plug-in connectors or ST Optical fibre plug-in connectors
Wavelength	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

Connection example of optical fibre branch coupler

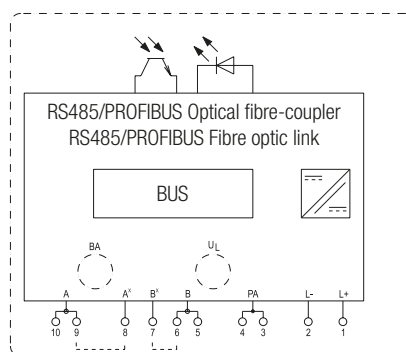


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Dimensions/mounting positions



Wiring diagram/terminal assignment



Ordering information

Optical fibre branch coupler FSMA **07-7311-97WP/6000**

Optical fibre branch coupler ST **07-7311-97WP/6010**

Technical data subject to change without notice.