

PROFIBUS DP / LWL

coupler 2. generation



The PROFIBUS Optical Fibre coupler of the 2. generation reroutes the PROFIBUS from copper conductors to optical fibres.

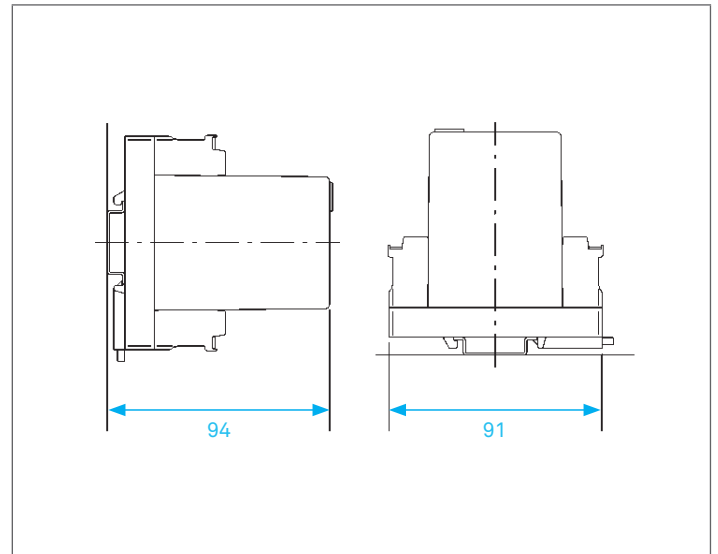
The coupler is a passive bus participant and are suitable for hazardous areas of zone 1 and 21.

- Ring-coupler; P-P-coupler; T-coupler
- Automatic master/slave detection
- Automatic build rate detection
- Fiberview for fiber optic ring monitoring

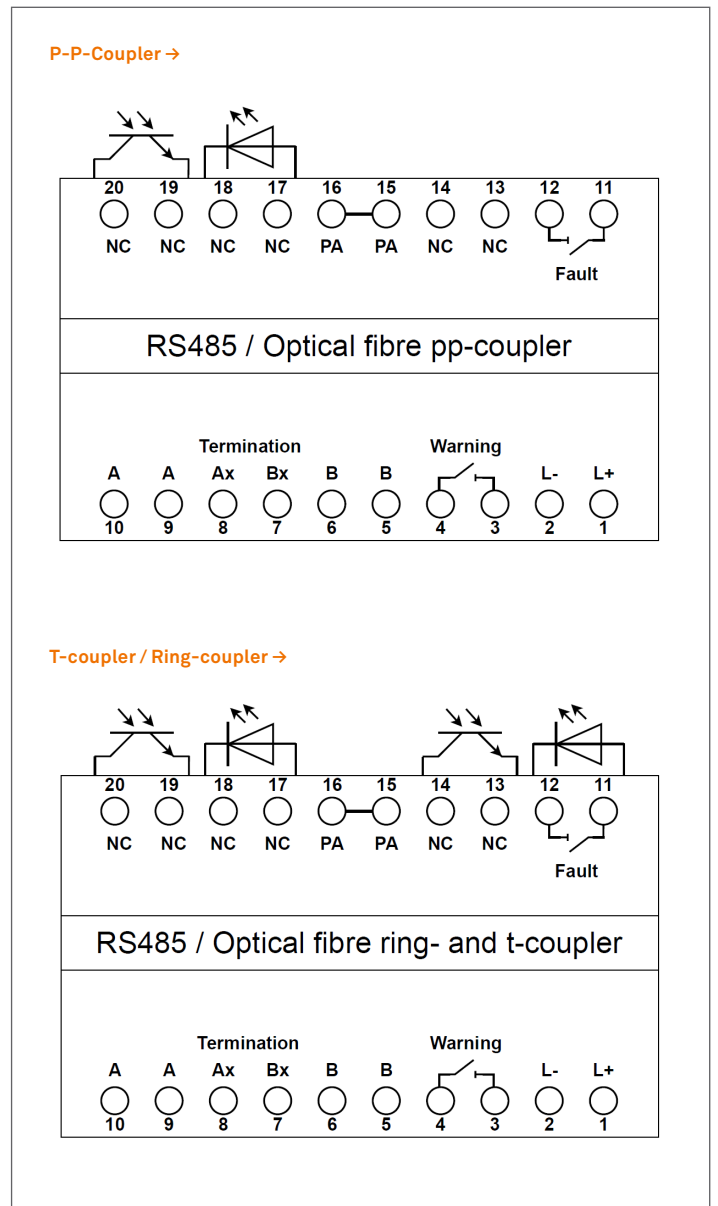
Explosion protection

Marking ATEX	Ⓔ zone 1/21
Certification	see bartec.com
Marking IECEx	zone 1/21
Certification	see bartec.com
Marking CSA	Class I Zone 1
Certification	see bartec.com
Other approvals and certificates, see bartec.com	
Installation	Type 17-6583-3*** [Ex op is T4 Gb] [Ex op is IIC Db]
Supply voltage	DC 20 V to DC 30 V
Power dissipation	max. 2.0 W
Galvanic isolation	Bus//power supply//optical fibre
Bus input / output	2 wire remote bus with screw terminals
Optical fibre input / output	FSMA or ST Optical fibre plug-in connectors
Range	2000 m; 50,0 µm fibre/glass 3000 m; 62,5 µm fibre/glass
Operating Displays	LED Green: Operation indicator (ON) BA: LED green flashing: Bus activity LED red: no communication FV1 and FV2: LED Red: No connection LED Red/green=yellow: Light output borderline LED Green: Connection OK LED green or yellow flashing: Data reception Declaration: FV = Fiberview BA = BUS activity

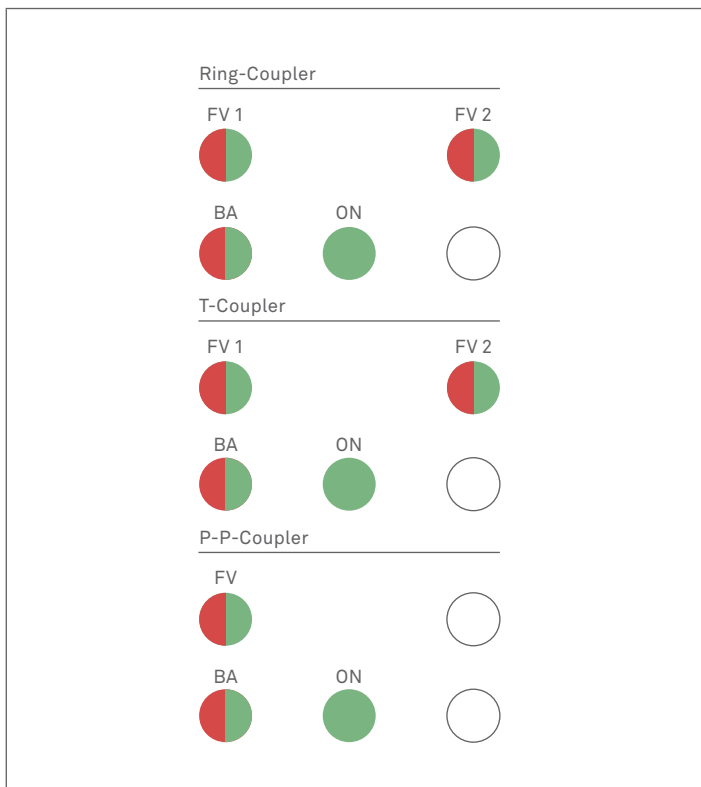
Dimensions / mounting positions



Wiring diagram / terminal assignment

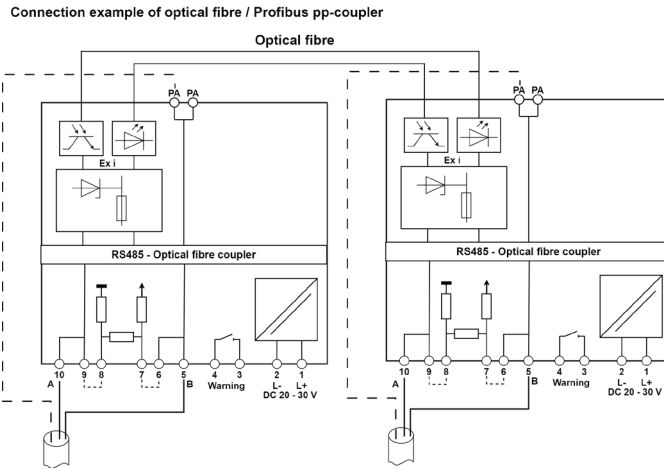


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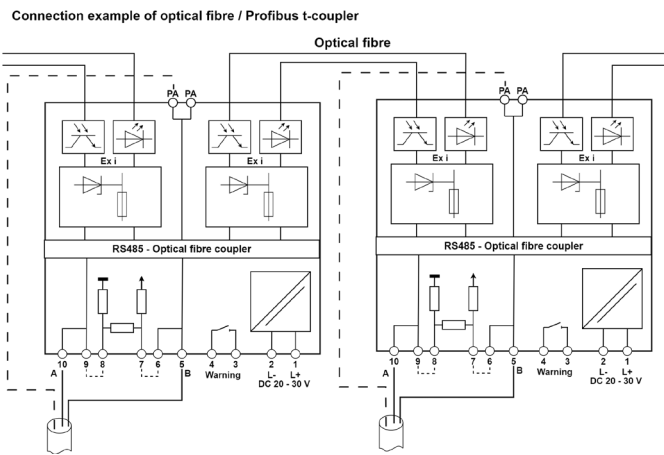


Connection example of optical fibre

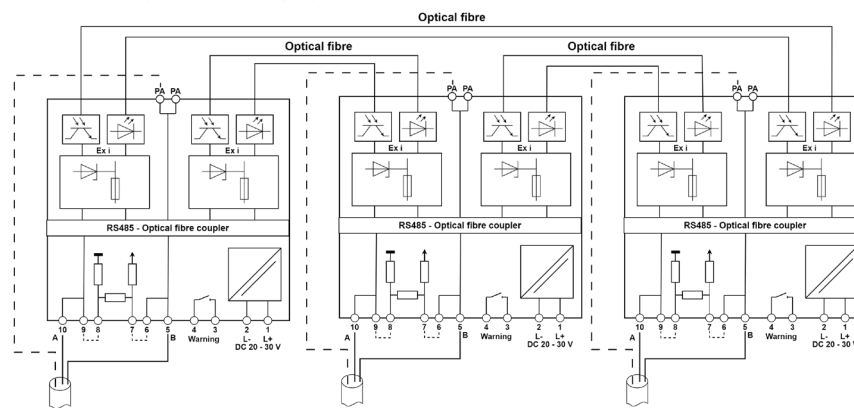
P-P-coupler →



T-coupler →



Ring-coupler →



Ordering information

Profibus LWL P-P-Coupler	FSMA	07-7311-97WP6500
Profibus LWL P-P-Coupler	ST	07-7311-97WP6510
Profibus LWL T-Coupler	FSMA	07-7311-97WP4500
Profibus LWL T-Coupler	ST	07-7311-97WP4510
Profibus LWL Ring-Coupler	FSMA	07-7311-97WP5500
Profibus LWL Ring-Coupler	ST	07-7311-97WP5510