

- Output: 24 ... 26 V/400 mA
- Couples PROFIBUS PA devices transparently to PROFIBUS DP
- High-power trunk for high device count and long cable lengths
- Installation in Zone 2/Class I, Div. 2
- Up to 1.5 MBit auto-adapting
- PROFIBUS DP terminator selectable
- Power Rail support

CE Ex FieldConnex PROFIBUS

Availability and a long service life are achieved through a passive impedance filter and a design optimized for low heat dissipation. The fieldbus diagnostic handheld (FDH-1) connects directly to test plug sockets located on the plug-in terminal.

[illegible]

Installation in hazardous area		Zone 2 / Div. 2
Supply		
Connection		Power Rail or terminals 11 (L+), 12 (L-)
Rated voltage	U _r	20 ... 30 V DC
Ripple		≤ 10 %
Rated current	I _r	640 mA ... 365 mA
Power dissipation		max 2.5 W

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Technical Data

Number of segments	1
Rated voltage	U_N 12.6 ... 13.4 V
PROFIBUS PA	
Connection	3+, 6+, 2-, 5-, 1 shield, 4 shield
Rated voltage	24 ... 26 V
Rated current	max. 400 mA
Terminating impedance	100 Ω , integrated
PROFIBUS DP	PROFIBUS with RS-485 transmission technology
Connection	terminals 7 RxD/TxD-P, 8 RxD/TxD-N, 9 shield, 10 FE
Baud rate	1.5 MBit/s max.
Indicators/operating means	
Switch	PROFIBUS DP terminator
LED PWR	green: Power on
LED DP/ERR	red 2 Hz flashing: DP error red on: Hardware error red off: DP communication detected
LED PA	red 2 Hz flashing: No PA communication or overload Off: PA communication OK
Galvanic isolation	
PROFIBUS DP/PROFIBUS PA	functional insulation acc. to IEC 62103, rated insulation voltage 50 V AC /70 V DC
PROFIBUS DP/Supply	basic insulation according to IEC/EN 61010, rated insulation voltage 253 V AC /357 V DC
PROFIBUS PA/Supply	basic insulation according to IEC/EN 61010, rated insulation voltage 253 V AC /357 V DC
Directive conformity	
Electromagnetic compatibility	
Directive 2014/30/EU	EN 61326-1:2013
Standard conformity	
Electromagnetic compatibility	NAMUR NE 21
Degree of protection	IEC/EN 60529
Fieldbus standard	EN 50170/2
Climatic conditions	DIN IEC 721
Shock resistance	EN 60068-2-27
Vibration resistance	EN 60068-2-6
Ambient conditions	
Ambient temperature	-40 ... 60 °C (-40 ... 140 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)
Relative humidity	< 95 % non-condensing
Shock resistance	15 g 11 ms
Vibration resistance	1 g 10 ... 150 Hz
Pollution degree	max. 2, according to IEC 60664
Corrosion resistance	acc. to ISA-S71.04-1985, severity level G3
Mechanical specifications	
Connection type	screw terminal , pluggable
Core cross section	up to 2.5 mm ²
Housing material	Polycarbonate
Degree of protection	IP20
Mass	180 g
Mounting	DIN rail mounting
Data for application in connection with hazardous areas	
Certificate	TÜV 16 ATEX 7831 X
Marking	Ⓔ II 3G Ex ec IIC T4 Gc
Directive conformity	
Directive 2014/34/EU	EN IEC 60079-0:2018+AC:2020 , EN 60079-7:2015+A1:2018
International approvals	
CSA approval	CSA 16.70064204

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Technical Data

Approved for		Class I, Division 2, Groups A, B, C, D Class I, Zone 2, Ex nA IIC T4 Gc
IECEX approval		IECEX TUR 16.0006X
Approved for		Ex ec IIC T4 Gc
General information		
Supplementary information		Observe the certificates, declarations of conformity, instruction manuals, and manuals where applicable. For information see www.pepperl-fuchs.com .

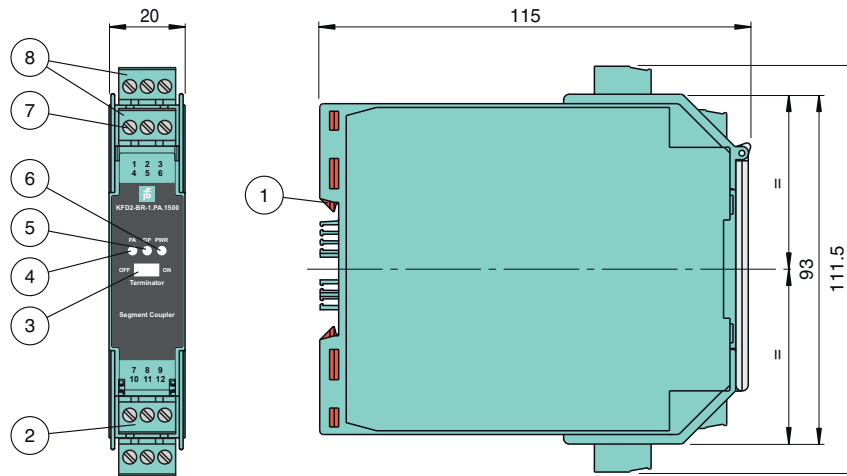
Assembly



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Additional Information

Dimensions and Assembly



Description:

- 1 Extendable lugs
- 2 PROFIBUS DP connection
- 3 Switch: Terminator for PROFIBUS DP
- 4 LED PA: Status of PROFIBUS PA
- 5 LED DP: Status of PROFIBUS DP and hardware
- 6 LED PWR: Status of power supply
- 7 Removable terminal with test plug sockets
- 8 PROFIBUS PA trunk connections