

**Features**

- Output: 25 ... 27 V/360 mA
- For most fieldbus applications
- High-power trunk for high device count and long cable lengths
- Installation in Zone 2/Class I, Div. 2
- For FOUNDATION Fieldbus H1
- Fixed, high-availability terminator
- No spacing required between modules

**Function**

This fieldbus power supply is an all-in-one module for single fieldbus segments. It adapts current and voltage and provides the impedance filter required. Reliability of communication is enhanced through galvanic isolation between segment and bulk power supply.

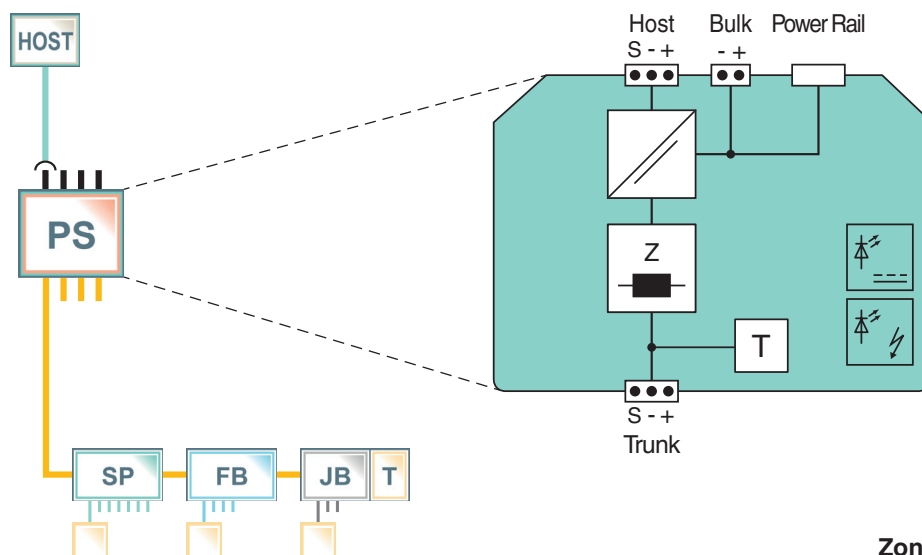
Power output is designed for long cable lengths and device counts suiting the needs of most fieldbus applications. Fieldbus couplers provide explosion protection for live work at the spur where needed.

Availability and a long service life are achieved through a passive impedance filter and a design optimized for low heat dissipation. Modules can be mounted with no spacing required in any direction for an optimized and space-saving cabinet layout. The mobile Advanced Diagnostic Module connects directly to test plug sockets located on the plug-in terminal. In conjunction with the modular Segment Protector it is a perfectly expandable solution.

**Assembly**



**Connection**



Zone 2/Div. 2

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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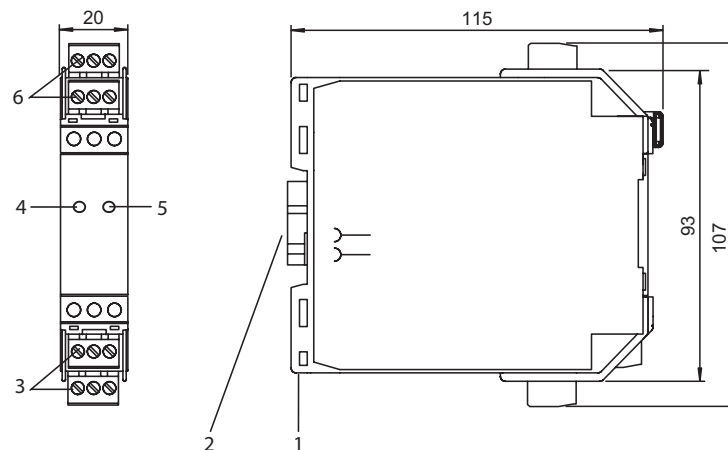
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<b>General specifications</b>		
Design / Mounting		Cabinet installation
<b>Supply</b>		
Connection		Power Rail or terminals 8+, 11+; 9-, 12-
Rated voltage	$U_n$	19.2 ... 35 V DC
Rated current	$I_n$	630 ... 340 mA
Power dissipation		typ. 2,0 W
<b>Fieldbus interface</b>		
Connection		terminals 3+, 6+; 2-, 5-; 1S, 4S (S=screen connection)
Rated voltage	$U_N$	25 ... 27 V
Rated current	$I_N$	360 mA
Terminating impedance		100 $\Omega$
<b>Electrical isolation</b>		
Fieldbus segment/Supply		functional insulation acc. to IEC 62103, rated insulation voltage 250 V AC
<b>Directive conformity</b>		
Electromagnetic compatibility		
Directive 2014/30/EU		EN 61326-1:2013
<b>Standard conformity</b>		
Electromagnetic compatibility		NE 21:2006
Degree of protection		IEC/EN 60529
Fieldbus standard		IEC 61158-2, ISA S 50.02 part 2
Shock resistance		EN 60068-2-27
Vibration resistance		EN 60068-2-6
<b>Ambient conditions</b>		
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
<b>Mechanical specifications</b>		
Connection type		Terminals
Core cross-section		up to 2.5 mm <sup>2</sup>
Housing		20 mm x 115 mm x 107 mm
Housing material		Polycarbonate
Degree of protection		IP20
Mass		approx. 210 g
Mounting		DIN rail mounting
<b>Data for application in connection with Ex-areas</b>		
Statement of conformity		TÜV 06 ATEX 553079 X
Group, category, type of protection, temperature class		 II 3G Ex ec IIC T4 Gc
Directive conformity		
Directive 2014/34/EU		EN 60079-0:2012 , EN 60079-7:2015
<b>International approvals</b>		
FM approval		CoC 3024816, CoC 3024816C
Approved for		Class I, Division 2, Groups A, B, C, D, T4 / Class I, Zone 2, AEx/Ex nA IIC T4
<b>Certificates and approvals</b>		
Marine approval		DNV A-14038
<b>General information</b>		
Supplementary information		Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see <a href="http://www.pepperl-fuchs.com">www.pepperl-fuchs.com</a> .

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Notes

Dimensions



Description:

- 1 Extendable lugs
- 2 Protective cap, remove for power supply via Power Rail
- 3 Removeable terminals
- 4 LED red: Fault signal
- 5 LED green: Power supply
- 6 Test plug socket; removeable terminals

LED indicators:	Conditions
green ON red OFF	Device ready for operation
green OFF red OFF	Device not ready for operation
green OFF red 2 Hz flashing	OVERLOAD, load current > 400 mA typ.

Accessories

- Power Rail PR-03
- Power Rail UPR-03
- Power Rail power feed module KFD2-EB2
- Power Rail power feed module KFD2-EB.R2A.B

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