

Features

- 24 V DC supply voltage
- Device installation in Zone 2
- Supply current ≤ 4 A
- Replaceable fuse
- Fault indication output with adjustable mode of operation
- Bus access via terminals
- EMC acc. to NAMUR NE 21

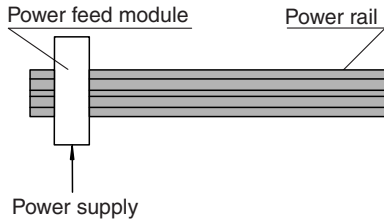
Function

The power feed module supplies the Power Rail with a voltage of 24 V DC and a 4 A maximum current.

The application of the supply voltage is indicated on the front panel by means of a green LED (POWER ON). In a fault condition, the relays switch open and the fault is indicated by means of a red LED on the front panel. The mode of operation of the relay can be adjusted with a switch.

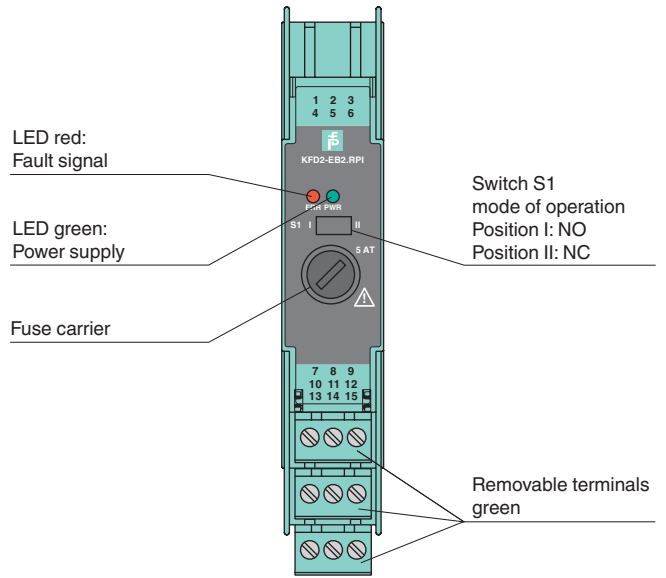
The dual designed power feed terminals have the ability to loop the supply (up to a max. of 10 A).

The 3 poles of the Power Rail for the bus connection are separately arranged on terminals 13, 14 and 15. The breakdown diode connected between terminals 8+, 11+ and 9-, 12- provides transient overvoltage protection per IEC 60801-5.

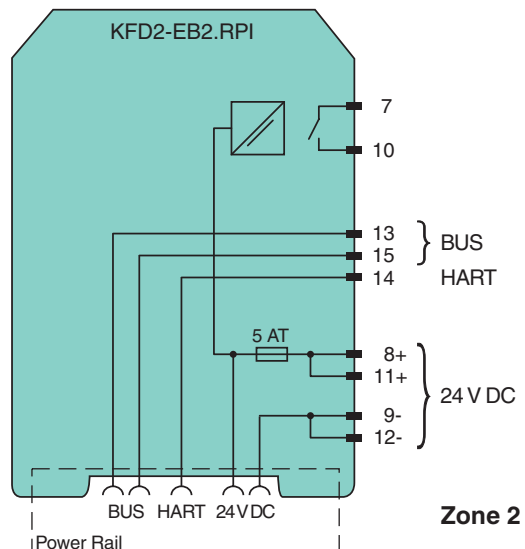


Assembly

Front view



Connection



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

Supply	
Connection	terminals 11+, 12- terminals 8+, 9-
Rated voltage U_n	20 ... 30 V DC The maximum rated operating voltage of the devices plugged onto the Power Rail must not be exceeded.
Power dissipation	≤ 1 W
Output	
Supply	Output current: ≤ 4 A
Fault signal	relay output: NO contact
Contact loading	40 V DC ; 2 A
Energized/De-energized delay	approx. 20 ms / approx. 20 ms
Fuse rating	5 A recommended maximum utilization of the fuse: 80 %
Directive conformity	
Electromagnetic compatibility	
Directive 2014/30/EU	EN 61326-1:2013 (industrial locations)
Conformity	
Electromagnetic compatibility	NE 21:2006
Degree of protection	IEC 60529:2001
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Damaging gas	acc. to ISA-S71.04-1985, severity level G3
Mechanical specifications	
Degree of protection	IP20
Connection	terminal connection ≤ 2.5 mm ²
Mass	approx. 100 g
Dimensions	20 x 115 x 115 mm (0.8 x 4.5 x 4.5 in)
Mounting	on 35 mm DIN mounting rail acc. to EN 60715:2001
Data for application in connection with Ex-areas	
Statement of conformity	TÜV 00 ATEX 1618 X
Group, category, type of protection, temperature class	⊕ II 3G Ex nA nC IIC T4
Directive conformity	
Directive 2014/34/EU	EN 60079-0:2012+A11:2013 , EN 60079-15:2010
International approvals	
FM approval	
Control drawing	116-0160
Approved for	Class I, Division 2, Groups A, B, C, D; Class I, Zone 2, IIC
UL approval	Class I, Division 2, Groups A, B, C, D; Class I, Zone 2, IIC
CSA approval	
Control drawing	116-0160
Approved for	Class I, Division 2, Groups A, B, C, D; Class I, Zone 2, IIC
IECEX approval	IECEX UL 16.0051
Approved for	Ex nA nC IIC T4 Gc
General information	
Supplementary information	Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl-fuchs.com .

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