



## Power Feed Module

### KFD2-EB2

- Interface for Power Rail
- Supply current  $\leq 4$  A
- Replaceable fuse
- Relay contact output, reversible
- LED status indication

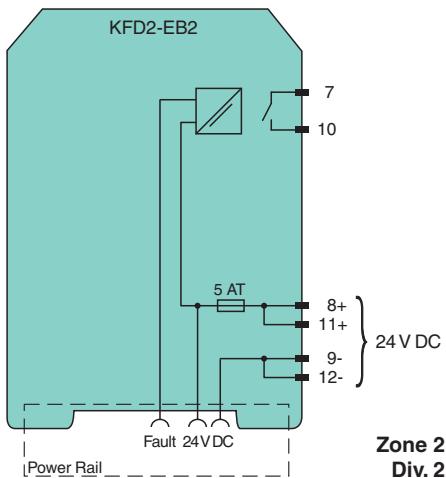
## Power Feed Module



## Function

The power feed module supplies the Power Rail with a voltage of 24 V DC and a maximum current of 4 A. In the event of a device fault or a wiring fault of any isolator on the Power Rail, the collective error messaging relay alerts the controller via a binary I/O point. This relay can be configured as normally-open or normally-closed. A green LED on the front of the device indicates the power state, and a red LED lights up during a fault condition. In the sense of functional safety (SIL) the device provides no dangerous failures. Thereby the safe condition of the supplied isolators must be defined as the de-energized state. Thus the device will not influence the safety calculation or the SIL value. This device is compatible with all versions of the Power Rail.

## Connection



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## Technical Data

### Supply

Connection	terminals 11+, 12- terminals 8+, 9-
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Rated voltage	$U_r$ 20 ... 30 V DC The maximum rated operating voltage of the devices plugged onto the Power Rail must not be exceeded.
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Fusing	5 AT/250 V AC recommended maximum utilization of the fuse: 80 %
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Power dissipation	$\leq 1$ W
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### Output

Connection	Power Rail
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Output current	max. 4 A
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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0002  
pa-info@us.pepperl-fuchs.com

Germany: +49 621 776 2222  
pa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091  
pa-info@sg.pepperl-fuchs.com

 PEPPERL+FUCHS

## Technical Data

Output voltage	$U_i \geq$ rated voltage $U_r = U_i - 0.6$ V
Fault signal	relay output: NO contact
Contact loading	30 V AC/ 2 A / cos $\phi \geq 0.7$ ; 40 V DC/ 2 A
Energized/De-energized delay	approx. 20 ms / approx. 20 ms
<b>Indicators/settings</b>	
Display elements	LEDs
Control elements	DIP switch
Configuration	via DIP switches
Labeling	space for labeling at the front
<b>Directive conformity</b>	
Electromagnetic compatibility	
Directive 2014/30/EU	EN 61326-1:2013 (industrial locations)
<b>Conformity</b>	
Electromagnetic compatibility	NE 21:2017
Degree of protection	IEC 60529:2001
<b>Ambient conditions</b>	
Ambient temperature	-40 ... 70 °C (-40 ... 158 °F)
<b>Mechanical specifications</b>	
Degree of protection	IP20
Connection	screw terminals
Mass	approx. 100 g
Dimensions	20 x 119 x 115 mm (0.8 x 4.7 x 4.5 inch) (W x H x D) , housing type B2
Mounting	on 35 mm DIN mounting rail acc. to EN 60715:2001
<b>Data for application in connection with hazardous areas</b>	
Certificate	UL 22 ATEX 2853 X
Marking	Ex II 3G Ex ec nC IIC T4 Gc
Directive conformity	
Directive 2014/34/EU	EN IEC 60079-0:2018+AC:2020 , EN IEC 60079-7:2015+A1:2018 , EN IEC 60079-15:2019
<b>International approvals</b>	
FM approval	FM 22 US 0031 X
Control drawing	116-0160
UL approval	E106378
CSA approval	CoC 1051840
IECEx approval	
IECEx certificate	IECEx UL 16.0051X
IECEx marking	Ex ec nC IIC T4 Gc
<b>General information</b>	
Supplementary information	Observe the certificates, declarations of conformity, instruction manuals, and manuals where applicable. For information see <a href="http://www.pepperl-fuchs.com">www.pepperl-fuchs.com</a> .

## Assembly

## Front view

