

**Features**

- 1-channel signal conditioner
- 24 V DC supply (loop powered)
- Fail-safe relay contact output
- Logic input 16 V DC ... 30 V DC, non-polarized
- Up to SIL3 acc. to IEC 61508

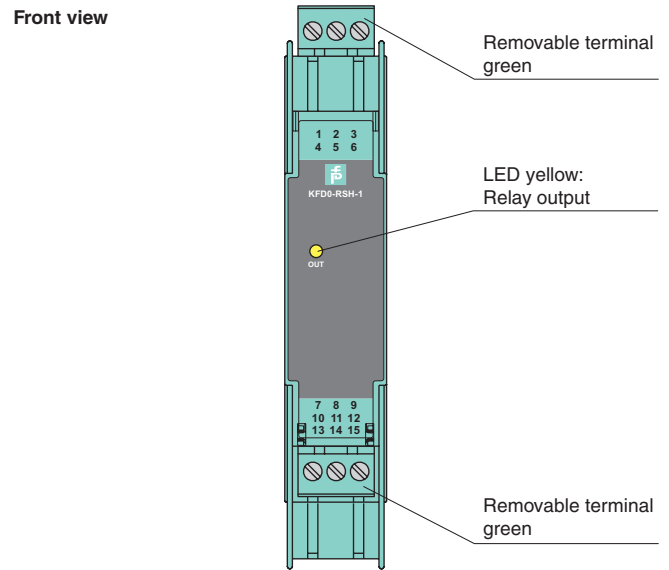
**Function**

This signal conditioner is a relay module that is suitable for safely switching applications of a load circuit. The device isolates load circuits up to 230 V and the 24 V control interface.

The output is galvanically isolated from the input and is protected against contact welding by a fuse.

The three relays are of diverse design, but have a common effect on the switch output.

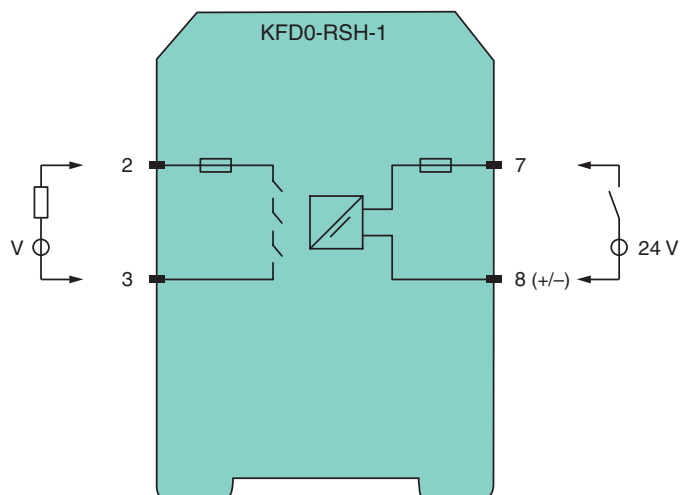
**Assembly**



CE

SIL3

**Connection**



Release date 2012-05-31 14:41 Date of issue 2015-02-16 203635\_eng.xml

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

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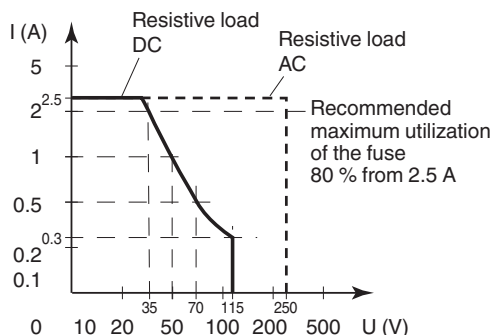
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<b>General specifications</b>	
Signal type	Digital Output
<b>Supply</b>	
Power loss	< 1.5 W
Power consumption	< 1.5 W
<b>Input</b>	
Connection	terminals 7, 8
Pulse/Pause ratio	≥ 20 ms / ≥ 20 ms
Signal level	0-signal: 0 ... 5 V DC 1-signal: 16 ... 30 V
Rated current $I_n$	approx. 50 mA
<b>Output</b>	
Connection	terminals 2, 3
Contact loading	230 V AC/2 A/cos φ 0.7; 40 V DC/2 A resistive load
Minimum switch current	2 mA / 24 V DC
Energized/De-energized delay	approx. 10 ms / approx. 5 ms
Mechanical life	5 x 10 <sup>6</sup> switching cycles
Electrical life	2 x 10 <sup>5</sup> switching cycles , at maximum load
Fuse rating	2.5 A recommended maximum utilization of the fuse: 80 %
<b>Transfer characteristics</b>	
Switching frequency	< 10 Hz
<b>Electrical isolation</b>	
Input/Output	reinforced insulation according to IEC/EN 61010-1, rated insulation voltage 300 V <sub>eff</sub>
<b>Directive conformity</b>	
Electromagnetic compatibility	
Directive 2004/108/EC	EN 61326-1:2006
Low voltage	
Directive 2006/95/EC	EN 61010-1:2010
<b>Conformity</b>	
Electromagnetic compatibility	NE 21:2006
Degree of protection	IEC 60529:2001
<b>Ambient conditions</b>	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
<b>Mechanical specifications</b>	
Degree of protection	IP20
Mass	approx. 100 g
Dimensions	20 x 119 x 115 mm (0.8 x 4.7 x 4.5 in) , housing type B2
Mounting	on 35 mm DIN mounting rail acc. to EN 60715:2001
<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> .

### Maximal switching power of the output



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