

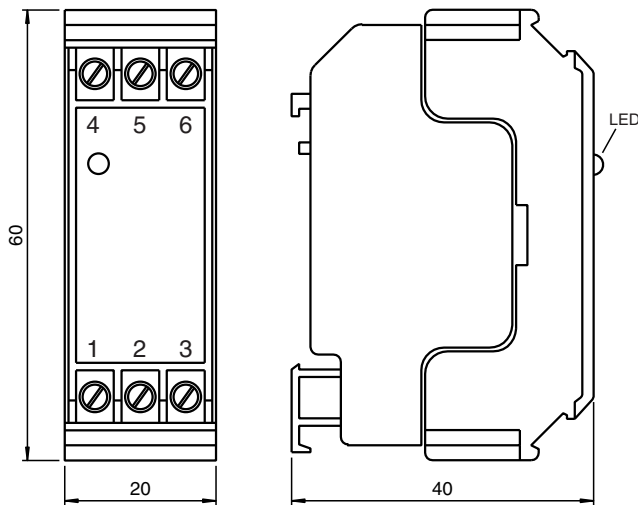
## Sensor output interface terminal KCD2-E3

- 1-channel terminal amplifier
- NAMUR sensor input
- DC 24 V supply voltage
- Standard interface for prevention of signal transmission errors
- Switching status indicator, yellow LED
- Short-circuit proof electronic output
- Low noise sensitivity
- Compact terminal housing
- Clips onto standard 35 mm rail to DIN EN 50 022
- Degree of protection IP20

Sensor output interface terminal



### Dimensions



### Technical Data

#### Functional safety related parameters

MTTF <sub>d</sub>	916 a
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#### Indicators/operating means

LED yellow	switch output
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#### Electrical specifications

Operating voltage	U <sub>B</sub>	10 ... 30 V DC
Ripple		≤ 10 %
Operating current	I <sub>B</sub>	approx. 22 mA

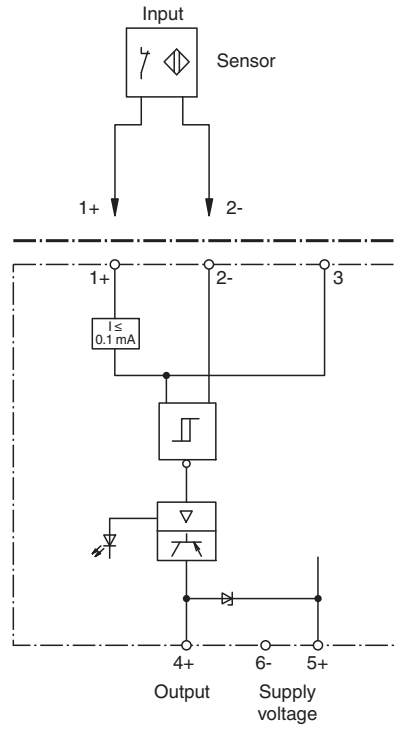
#### Input

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## Technical Data

Connection	terminals 1+, 2-
Connectable sensor types	NAMUR
Pulse length/pulse interval	$\geq 0.5 \text{ ms} / \geq 0.5 \text{ ms}$
Short-circuit current	approx. 8 mA
Sensor supply	8 V DC
Switching point	1.2 ... 2.1 mA hysteresis approx. 0.2 mA
Line fault detection	without
Trip value	1 kHz
<b>Output</b>	
Connection	terminal 4+
Current	200 mA short-circuit protected
Transistor	PNP
Signal level	$U_B - 1.1V$
<b>Transfer characteristics</b>	
Mode of operation	NC contact
Switching frequency	1 kHz
<b>Directive conformity</b>	
Electromagnetic compatibility	
Directive 2014/30/EU	EN 61326-1:2013
<b>Standard conformity</b>	
Degree of protection	EN 60529:2000
Noise immunity	EN 61326-1:2013
<b>Ambient conditions</b>	
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Storage temperature	-25 ... 85 °C (-13 ... 185 °F)
<b>Mechanical specifications</b>	
Connection	self-opening apparatus connection terminals, max. core cross-section 0.34 ... 2.5 mm <sup>2</sup>
Mass	60 g
Dimensions	20x60x40 (in mm)

Connection



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