



Model Number

KCD2-R

Sensor output interface terminals with relay output

Features

- Relay output with 1 pole, yellow LED indicates switching state
- Free-wheeling diode
- Compact terminal housing
- Clips onto standard 35 mm rail to DIN EN 50 022
- Degree of protection IP20

Technical data

Functional safety related parameters

MTTF _d	19699 a
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Indicators/operating means

LED yellow	switch output
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Electrical specifications

Operating voltage	U _B	24 V DC ± 15 %
Ripple		≤ 10 %
Operating current	I _B	16 mA

Input

Connection	terminals 2+, 3-
Connectable sensor types	PNP or NPN 3-wire sensors

Output

Switching frequency	f	≤ 10 Hz
Relay		1 changeover contact
Contact loading		30 V DC/2 A resistive load
Delay		Pull-in: approx. 6 ms Drop-out: approx. 2 ms
Mechanical life		≥ 10 ⁸ switching cycles

Directive conformity

Electromagnetic compatibility	
Directive 2014/30/EU	EN 61326-1:2013

Standard conformity

Degree of protection	EN 60529:2000
Noise immunity	EN 61326-1:2013

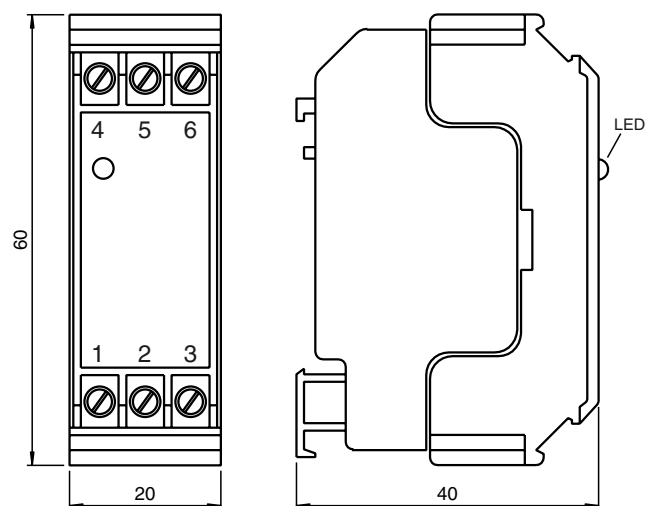
Ambient conditions

Ambient temperature	-25 ... 60 °C (-13 ... 140 °F)
Storage temperature	-25 ... 85 °C (-13 ... 185 °F)

Mechanical specifications

Degree of protection	IP20
Connection	self-opening apparatus connection terminals, max. core cross-section 0.34 ... 2.5 mm ²
Mass	60 g
Dimensions	20 mm x 60 mm x 40 mm

Dimensions



Electrical connection

