



Model number

KCD2-EL

Sensor output interface terminal with lead breakage monitoring

Features

- 1-channel terminal amplifier
- Input for NAMUR sensors
- DC 24 V supply voltage
- Standard interface for prevention of signal transmission errors
- Switching status indicator, yellow LED
- Lead breakage monitoring: The lead breakage monitoring can be disconnected by bridging terminals 1 and 3 (When using a mechanical contact a 10 kOhm resistor is required in parallel circuit)
- Short-circuit proof electronic output
- Low noise sensitivity
- Compact terminal housing
- Mounting by clipping onto standard 35 mm rail to DIN EN 50022
- Protection degree IP20

Technical data

Indicators/operating means

LED yellow switch output

Electrical specifications

Operating voltage 10 ... 30 V DC

Operating current approx. 22 mA

Ripple $\leq 10\%$

Input

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

Lead monitoring with

Trip value 1 kHz

Output

Connection terminal 4-

Current 200 mA short-circuit proof

Transistor NPN

Signal level $U_B - 1.8\text{ V}$

Transfer characteristics

Mode of operation NO

Switching frequency 1 kHz

Ambient conditions

Ambient temperature $-25 \dots 70\text{ }^{\circ}\text{C}$ (248 ... 343 K)

Storage temperature $-25 \dots 85\text{ }^{\circ}\text{C}$ (248 ... 358 K)

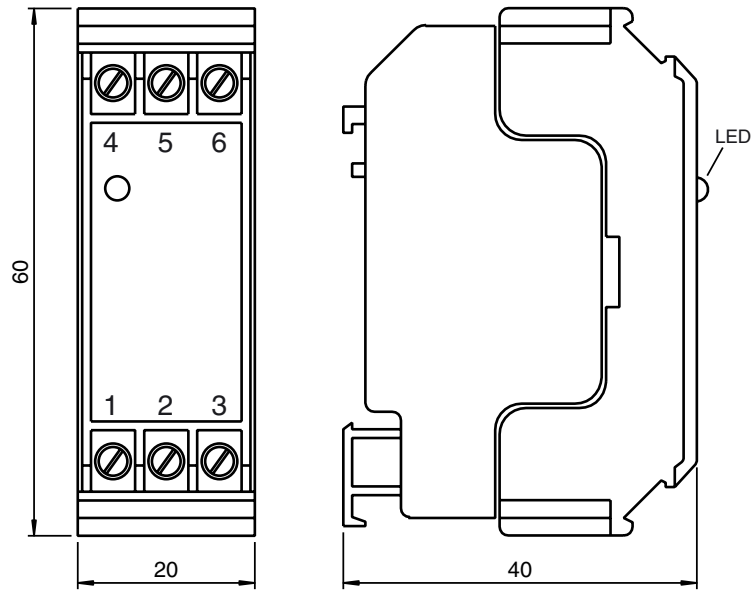
Mechanical specifications

Connection self-opening apparatus connection terminals, max. core cross-section $0.34 \dots 2.5\text{ mm}^2$

Mass 60 g

Dimensions 20x60x40 (in mm)

Dimensions



Electrical connection

