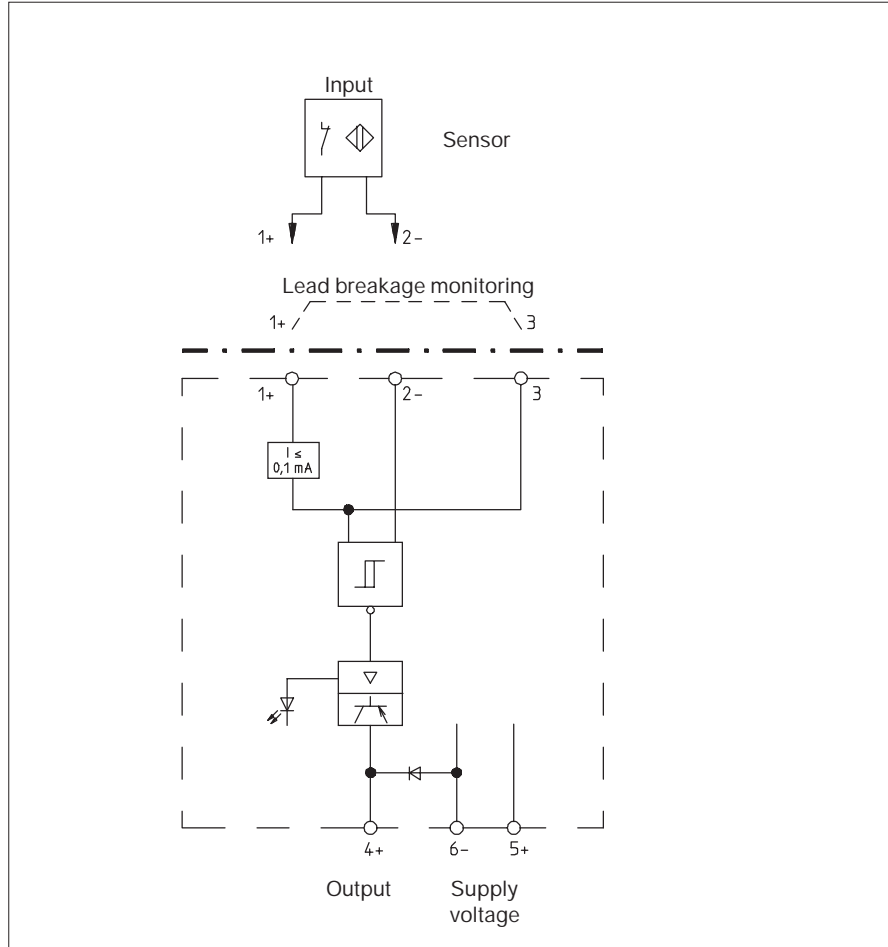


## KCD2-E...

- Single channel
- Input for sensors to NAMUR /DIN 19 234
- 24 VDC supply voltage
- Standard interface for prevention of signal transmission errors
- Switching status indicator, yellow LED
- Lead breakage monitoring facility with types KCD2-EL and KCD2-E2L. Linking terminals 1 and 3 deactivates the lead breakage monitoring
- Short circuit proof electronic output
- Low noise sensitivity
- Compact terminal housing
- Mounting by clipping onto standard 35 mm rail to DIN EN 50 022



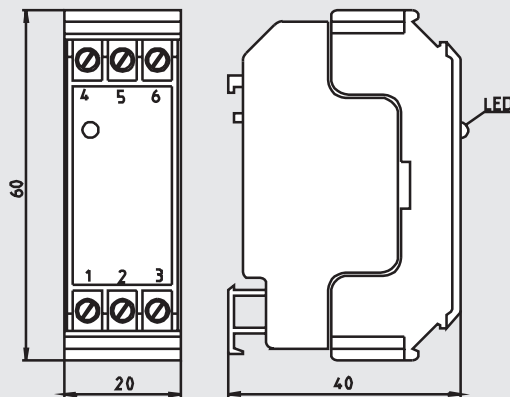
### Function table

Input	Output					
	KCD2-E	KCD2-E1	KCD2-E2	KCD2-E3	KCD-EL	KCD2-E2L
 1)	Negative switched LED ON	Switched off LED OFF	Positive switched LED ON	Switched off LED OFF	Negative switched LED ON	Positive switched LED ON
 1)	Switched off LED OFF	Negative switched LED ON	Switched off LED OFF	Positive switched LED ON	Switched off LED OFF	Switched off LED OFF
 1)					Switched off LED OFF	Switched off LED OFF

**1) The use of mechanical contacts for pulse generation with types KCD2-EL and KCD2-E2L, which have lead breakage monitoring, requires the connection of a 10 kΩ resistor in parallel directly across the contacts.**

Technical data	KCD2-E	KCD2-E1	KCD2-E2	KCD2-E3	KCD2-EL	KCD2-E2L
	<b>Power supply</b> Supply voltage terminals 5+, 6- Current consumption Ripple $W_{SS}$	DC 10 V ... 30 V Approx. 22 mA $\leq 10\%$				
<b>Input terminals 1+, 2-</b> <b>Nominal values</b> Quiescent voltage $U_{A0}$ Short circuit current $J_{AK}$ Switch point $J_S$ within the range Switching hysteresis $J_H$ Input pulse length Input pulse interval Lead breakage monitoring	To DIN 19 234 / NAMUR Approx. DC 8 V Approx. 8 mA 1.2 mA ... 2.1 mA Approx. 0.2 mA $\geq 0.5$ ms $\geq 0.5$ ms					
<b>Function</b>	Without	Without	Without	Without	With	With
	N.O.	N.C.	N.O.	N.C.	N.O.	N.O.
<b>Output terminal 4+</b> Nominal current $J_N$ Output voltage (Measured across load)	npn transistor  $U_{SP} - 1.8$ V		pnp transistor 200 mA short circuit proof $U_{SP} - 1.1$ V		npn transistor  $U_{SP} - 1.8$ V	pnp transistor  $U_{SP} - 1.1$ V
<b>Transfer characteristics</b> Max. switching rate	1 kHz					
<b>Environmental conditions</b> Lower temperature limit Upper temperature limit Protection class	248 K (- 25 °C) 343 K (+ 70 °C) IP 20					
<b>Mechanical</b> Construction Method of connection Weight	Compact terminal housing, width 20 mm, height 40 mm self opening instrument terminals, max. conductor csa 2.5 mm <sup>2</sup> Approx. 60 g					

## Dimensions



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