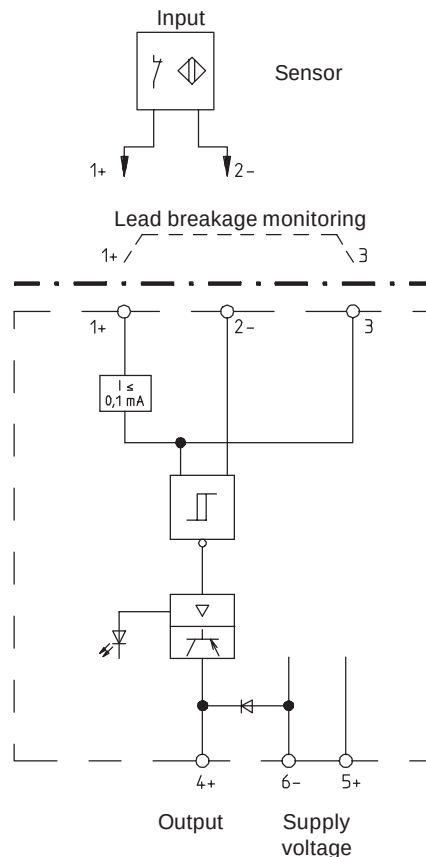


KCD2-E...

- 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	KCD2-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.

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Technical data	KCD2-E	KCD2-E1	KCD2-E2	KCD2-E3	KCD2-EL	KCD2-E2L
Power supply Supply voltage terminals 5+, 6- Current consumption Ripple W_{ss}	DC 10 V ... 30 V Approx. 22 mA ≤ 10 %					
Input terminals 1+, 2- Nominal values 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 ≥ 0.5 ms ≥ 0.5 ms					
	Without	Without	Without	Without	With	With
Function	N.O.	N.C.	N.O.	N.C.	N.O.	N.O.
Output terminal 4+ Nominal current J_N Output voltage (Measured across load)	npn transistor $U_{SP} - 1.8\text{ V}$		pnp transistor 200 mA short circuit proof $U_{SP} - 1.1\text{ V}$		npn transistor $U_{SP} - 1.8\text{ V}$	pnp transistor $U_{SP} - 1.1\text{ V}$
Transfer characteristics Max. switching rate	1 kHz					
Environmental conditions Lower temperature limit Upper temperature limit Protection class	248 K (- 25 °C) 343 K (+ 70 °C) IP 20					
Mechanical Construction Method of connection Weight	Compact terminal housing, width 20 mm, height 40 mm self opening instrument terminals, max. conductor csa 2.5 mm² Approx. 60 g					

Dimensions

