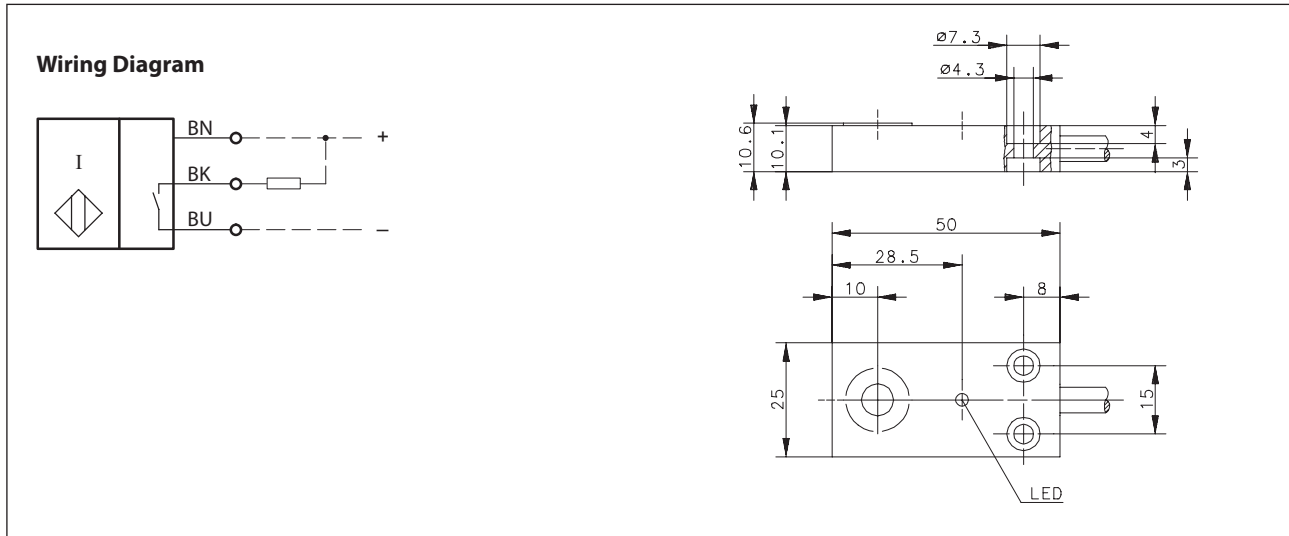


Inductive Proximity Switch Series E50

Description **KIN-E50NS/008-KL2**

Article number **6502390002**



Identifying characteristics in accordance with EN 60947-5-2

Electrical data		
Rated operating distance	S_n	8 mm
Assured operating distance	S_a	0 ... 6,5 mm
Switching element function		DC, N.O.
Repeat accuracy	R	≤ 5 %
Differential travel (hysteresis)	H	≈ 10 %
Operational voltage range	U_B	10 - 60 V DC
Rated insulation voltage	U_i	75 V DC
Rated impulse withstand voltage	U_{imp}	500 V
Voltage drop	U_d	≤ 2,5 V
Utilization category		DC 13 at $I_e = 50\text{mA}$ and $U_e = 33\text{V DC}$
Rated operational current	I_e	200 mA
Off-state current	I_r	≤ 0,1 mA
No-load supply current	I_o	< 8 mA
Switching element		Permanent overload and s.c.p.
Short-circuit protection		pulsed
Frequency of operating cycles	f	200 Hz
Mounting		non flush
False polarity protection		yes
Time delay before availability	t_v	≤ 50 ms

Mechanical Data	
Enclosure	PA6, black
Ambient air temperature	-25 °C ... +70 °C
Type of protection	IP67
Indication	LED, yellow
Termination type	cable 3 x 0,5 mm ² , PVC-Outer jacket, black

Product reliability (in acc. with DIN EN 61709 (SN 29500))	
MTTF	> 1600 years (Confidence level (CL) 60 % and average ambient temperature 40°C)

EU Conformity	
	acc. to directive 2014/30/EU (EMC-Directive)