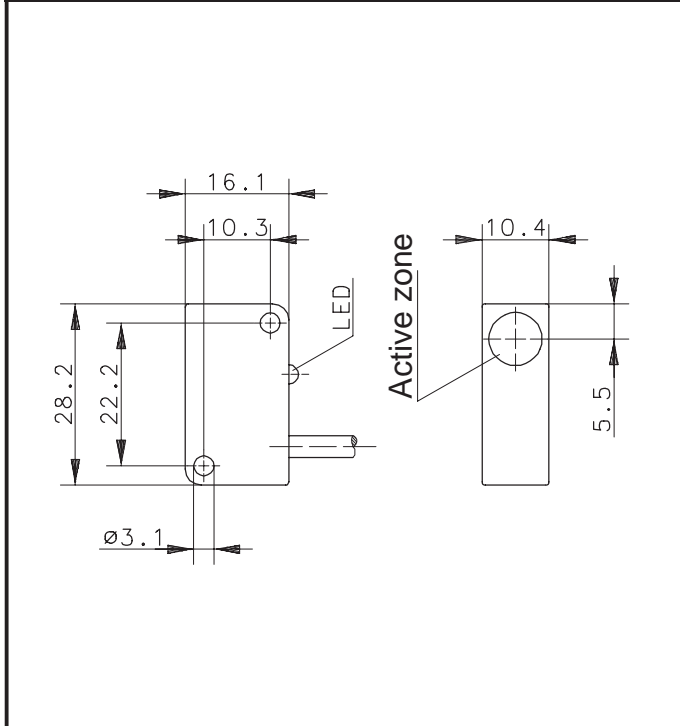


Data Sheet

Inductive Proximity Sensor

Type: KIB-E28PS/002-KL0,55R06	Art.-No.: 660.2973.211	08.12.98/1479
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General Features	
housing	PA 6.6, black
protection	IP 67; NEMA 4 ¹⁾
operating temperature	-25°C to 70°C
termination type	0,55 m cable + plug socket ²⁾
protection against reverse supply polarity	
max. transient voltage rate	200 V for 1 ms at $R_i = 1 \text{ k}\Omega$
permanent overload and s.c.p.	
indication	LED

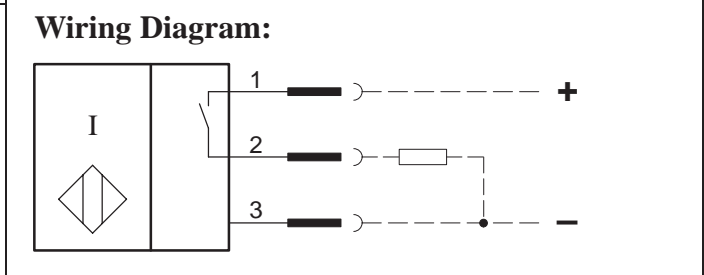
Options / Comments

- 1) only in fully snapped – in position with it's plugs
- 2)

Electrical Output

Make (normally open)

PNP The sensor switches the load to the positive terminal.



Characteristics			Remarks
rated operating distance	s_n	2 mm	$s_r = s_n \pm 10 \%$
assured operating distance	s_a	0 ... 1,6 mm	
mounting		flush	
rated operational voltage	U_e	12 – 24 V DC	
operational voltage range	U_B	10 – 30 V DC	incl. ripple frequency
rated operational current	I_e	$\leq 200 \text{ mA}$	
off-state current	I_R	$< 0,1 \text{ mA}$	
non-load supply current	I_o	$< 11 \text{ mA}$	
voltage drop	U_d	$\leq 1,6 \text{ V}$	add. 0,06 V per m cable and 200 mA Load at 20 °C
hysteresis	H	$\approx 10 \%$	relative to s_r
repeat accuracy	R	$\approx 5 \%$	
time delay before availability	t_v	$\leq 50 \text{ ms}$	
frequency of operating cycles	f	800 Hz	