

Technical Data

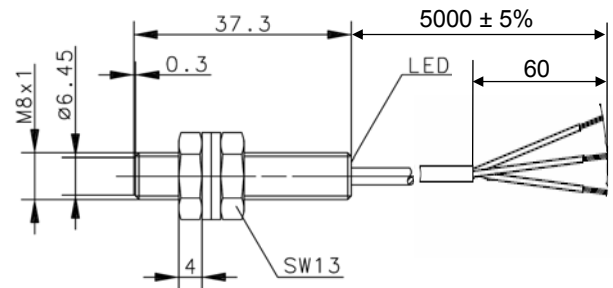
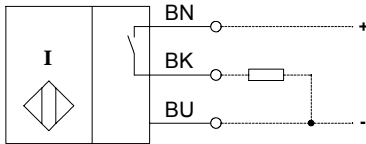
Inductive Proximity Switch

Series M08

Description **KIB-M08PS/1,5-KL5**

Article number **6602901864**

Wiring Diagram



Identifying characteristics in accordance with EN 60947-5-2

Electrical data

Rated operating distance	S_n	1,5mm
Standard target		8 x 8mm, t=1mm; material: FE360
Effective operating distance	S_r	1,4 ... 1,7mm
Assured operating distance	S_a	0 ... 1,2mm
Switching element function		DC, N.O.
Repeat accuracy	R	≤ 5%
Differential travel (hysteresis)	H	≤ 0,2 x S_r
Rated operational voltage	U_e	12 – 24V DC
Operational voltage range	U_B	10 – 36V DC
Rated insulation voltage	U_i	75V DC
Rated impulse withstand voltage	U_{imp}	500V
Voltage drop	U_d	≤ 1,5V (add. 0,06V per m cable and 200mA Load @ 20°C)
Utilization category		DC 13
Rated operational current	I_e	≤ 200mA
Minimum operational current	I_m	≤ 1mA
Off-state current	I_r	< 0,3mA
No-load supply current	I_o	≤ 11mA
Rated conditional short-circuit current		100A
Switching element		Permanent overload and s.c.p.
Short-circuit protection		pulsed
Frequency of operating cycles	f	1000Hz
Rated supply frequency		DC
Mounting		flush
False polarity protection		yes
Time delay before availability	t_v	≤ 50ms

Electromagnetic compatibility (EMC)

Electromagnetic field test	IEC 61000-4-3
Electrostatic discharge test	IEC 61000-4-2
Electrical fast transient immunity test (Burst)	IEC 61000-4-4
Impulse voltage withstand ability (Surge)	IEC 255-5
Radiated disturbance field strength	EN 55011

Mechanical Data

Front cap	PA6.6, black
Enclosure	Stainless steel (Niro 1.4305)
Ambient air temperature	-25°C ... +70°C
Type of protection	IP67
Pollution degree	3 (Pollution of the active zone can cause impairments of the operating distances.)
Indication	LED, yellow
Termination type	Cable 3 x 0,14mm ² , PVC - Outer jacket, high flexible, black

EU Conformity

acc. to Directive 2004 / 108 / EC

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