

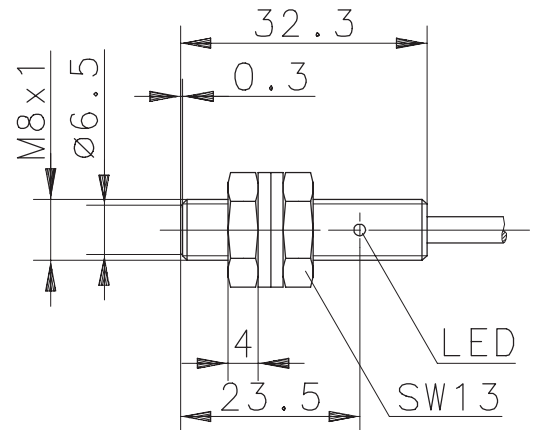
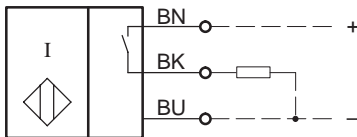
Technical Data

Inductive Proximity Switch

Type: **KIB-M08PS/1,5-KL2**

Part.-No.: **650.2901.003**

Wiring Diagram



Technical Data according to EN 60947-5-2

Electrical Data

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. 0,06 V per m cable and 200 mA Load at 20°C)
Utilization category		DC-13
Rated operational current	I_e	≤ 200mA
Off-state current	I_r	< 0,3mA
No-load supply current	I_0	≤ 11mA
Type of protection		IP 67
Short-circuit protection		pulsed
Rated operating distance	s_n	1,5mm
Assured operating distance	s_a	0 ... 1,2mm
Repeat accuracy	R	≤ 5%
Differential travel (hysteresis)	H	≈ 10%
Frequency of operating cycles	f	1000Hz
Switching function		DC, N.O.
Mounting		flush
False polarity protection		yes
Output		permanent overload and s.c.p.
Time delay before availability	t_v	≤ 50ms

Elektromagnetic compatibility (EMC)

Electromagnetic field test	IEC 61000-4-3
Electrostatic discharge test	IEC 61000-4-2
Electrical fast transient immunity test	IEC 61000-4-4
Radiated disturbance field strength	EN 55011
Impulse voltage withstandability	IEC 255-5

Mechanical Data

Operating temperature	-25°C bis +70°C
Front cap	PA 6.6, black
Housing	stainless steel (Niro 1.4305)
Indication	LED, yellow
Termination type	Cable 3 x 0,14mm ² x 2m; PVC - Outer jacket, black
For attachment	2 x hexagon nut and 2 x toothed washer