

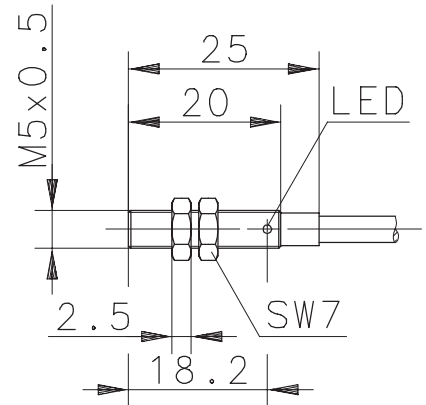
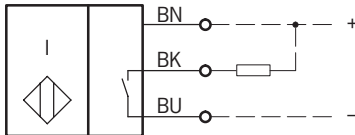
Technical Data

Inductive Proximity Switch

Type: **KIB-M05NS/001-KL2PU**

Part.-No.: **650.2399.003**

Wiring Diagram



Technical Data according to EN 60947-5-2

Electrical Data

Operational voltage range	U_B	10 - 30VDC
Rated insulation voltage	U_i	75V DC
Rated impulse withstand voltage	U_{imp}	500V
Voltage drop	U_d	< 0,6V @ 100mA (add. 0,06V per m cable and 200mA Load at 20 °C)
Utilization category		DC-13
Rated operational current	I_e	≤ 200mA
No-load supply current	I_0	< 13mA
Type of protection		IP 67
Short-circuit protection		pulsed
Rated operating distance	S_n	1mm
Assured operating distance	S_a	0 ... 0,8mm
Repeat accuracy	R	< 5%
Differential travel (hysteresis)	H	≈ 5%
Frequency of operating cycles	f	3000Hz
Switching function		DC, N.O.
Mounting		flush
False polarity protection		yes
Output		permanent overload and s.c.p.

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	EN55011
Impulse voltage withstandability	IEC 255-5

Mechanical Data

Operating temperature	-25°C bis +70°C
Front cap	LCP, black
Housing	brass, nickel plated
Indication	LED, yellow
Termination type	Cable 3 x 0,14mm ² x 2m; PUR - Outer jacket, black
For attachment	2 x hexagon nut