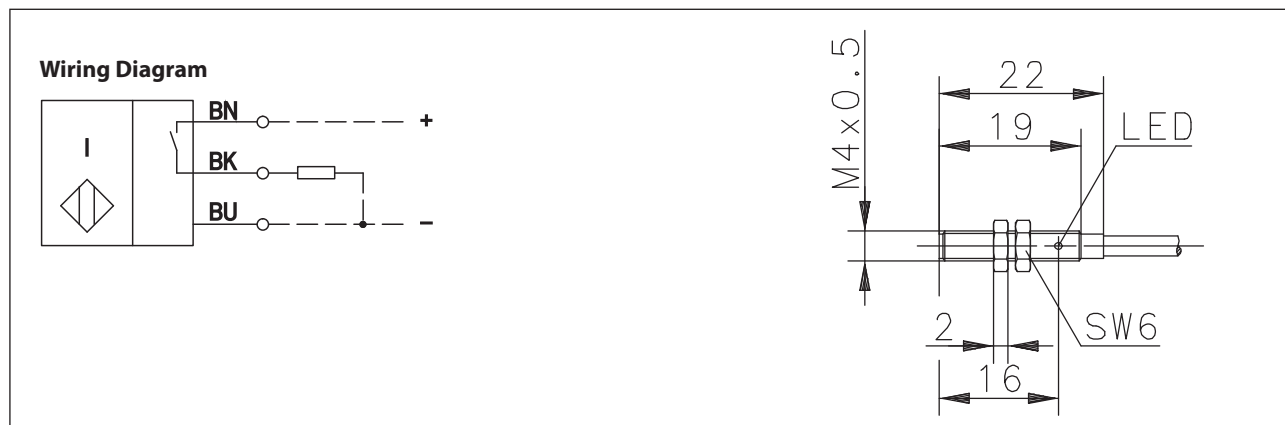


Inductive Proximity Switch Series M04

Description **KIB-M04PS/0,6-KL2PU**

Article number **6502999020**



Identifying characteristics in accordance with EN 60947-5-2

Electrical data		
Rated operating distance	S_n	0,6 mm
Standard target		4 mm x 4 mm, t = 1 mm, material: FE360
Real sensing distance	S_r	0,5 ... 0,7 mm
Assured operating distance	S_a	0 ... 0,5 mm
Switching element function		DC, N.O.
Repeat accuracy	R	≤ 5 %
Differential travel (hysteresis)	H	≈ 5 %
Operational voltage range	U_B	10 - 30 V DC
Rated insulation voltage	U_i	75 V DC
Rated impulse withstand voltage	U_{imp}	500 V
Voltage drop	U_d	≤ 2 V
Utilization category		DC 12
Rated operational current	I_e	100 mA
Minimum operating current	I_m	1 mA
Off-state current	I_r	< 0,1 mA
No-load supply current	I_o	< 10 mA
Switching element		Permanent overload and s.c.p.
Short-circuit protection		pulsed
Frequency of operating cycles	f	3000 Hz
Mounting		flush
False polarity protection		yes
Time delay before availability	t_v	< 10 ms

Electromagnetic 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

Mechanical Data	
Front cap	PA 6, black
Enclosure	Niro 1.4305
Ambient air temperature	-25 °C ... +70 °C
Indication	LED, yellow
Type of protection	IP67
Degree of pollution	3 (pollution of the active region, there can may be a deterioration of the operating distance)
Termination type	Cable 3 x 0,055 mm ² x 2 m, PUR - Outer jacket, gray;
For attachment	2 x hexagon nut

EU Conformity	
	acc. to directive 2004 / 108 / EC