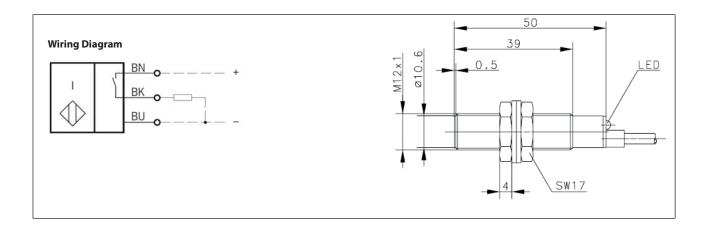


Inductive Proximity Switch

Series M12

Description KIB-M12PS/002-KL2

Article number 6932903001



Identifying characteristics in accordance with EN 60947-5-2

Electrical data		
Rated operating distance	S	2 mm
Standard target		12 mm x 12 mm, t = 1 mm, material: FE360
Real sensing distance	S _r	1,8 2,2 mm
Assured operating distance	S	0 1,6 mm
Switching element function		DC, N.O.
Repeat accuracy	R	≤ 5 %
Differential travel (hysteresis)	Н	≈ 10 %
Operational voltage range	U _B	10 - 36 V DC
Rated insulation voltage	U,	75 V DC
Rated impulse withstand voltage	U	500 V
Voltage drop	Ud	≤ 1,5 V
Utilization category		DC 12
Rated operational current	ľ	200 mA
Minimum operating current	I m	1 mA
Off-state current	Ļ	< 0,3 mA
No-load supply current	I,	< 11 mA
Switching element		Permanent overload and s.c.p.
Short-circuit protection		pulsed
Frequency of operating cycles	f	800 Hz
Mounting		flush
False polarity protection		yes
Time delay before availability	t	< 50 ms

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Technical Data



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 6.6, black	
Enclosure	Brass, nickel plated	
Endcap	PA 6.6, black	
Ambient air temperature	-25 °C +70 °C	
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 0,14 mm ² x 2 m, PVC - Outer jacket, black;	
For attachment	2 x hexagon nut and 2 x toothed washer	

Product reliability (in acc. with DIN EN 61709 (SN 29500))

MTTF (at 40 °C)

> 900 years

EU Conformity

acc. to directive 2004 / 108 / EC

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