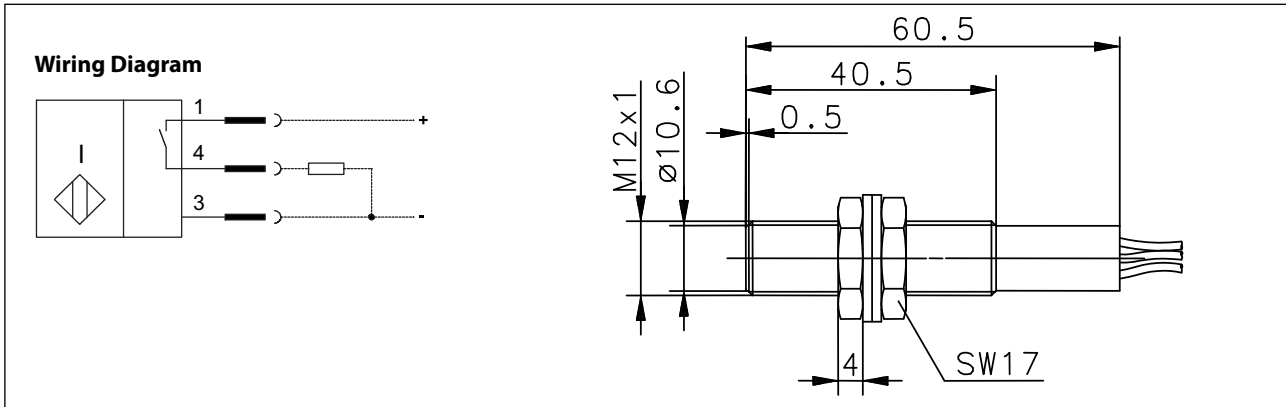


Inductive Proximity Switch Series M12

Description **KIB-M12PS/002-K0,02S12**

Article number **6602903947**



Identifying characteristics in accordance with EN 60947-5-2

Electrical data		
Rated operating distance	S_n	2 mm
Standard target		12 mm x 12 mm, t = 1 mm; material: FE360
Effective operating distance	S_a	1,8 ... 2,2 mm
Assured operating distance	S_a	0 ... 1,6 mm
Switching element function		DC N.O.
Repeat accuracy	R	≤ 5 %
Differential travel (hysteresis)	H	≈ 10 %
Operational voltage range	U_B	max. 36 V DC
Rated insulation voltage	U_i	75 V DC
Rated impulse withstand voltage	U_{imp}	500 V
Voltage drop	U_d	≤ 2,5 V
Utilization category		DC 13 @ $I_e= 50$ mA and $U_e= 33$ V DC
Rated operational current	I_e	200 mA
Minimum operational current	I_m	≥ 1 mA
Off-state current	I_r	< 0,1 mA
No-load supply current	I_o	≤ 11 mA
Switching element		Permanent overload and s.c.p.
Short-circuit protection		pulsed
Frequency of operating cycles	f	4000 Hz
Mounting		flush
False polarity protection		yes
Time delay before availability	t_v	< 50 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 6.6, black
Enclosure	Brass, nickel plated
Ambient air temperature	-25 °C ... +85 °C
Type of protection	IP67 (only in fully snapped-in position with it's plugs)
Pollution degree	3 (Pollution of the active zone can cause impairments of the operating distances.)
Termination type	3 x Litz wire 0,25mm ² x 0,02m, PVC ñ Outer jacket and male socket (Binder 09043938704) with fixing thread
For attachment	2 x hexagon nut and 2 x toothed washer

EU Conformity	
acc. to directive 2014/35/EU	

Notes	
Mounted in 6122785003	