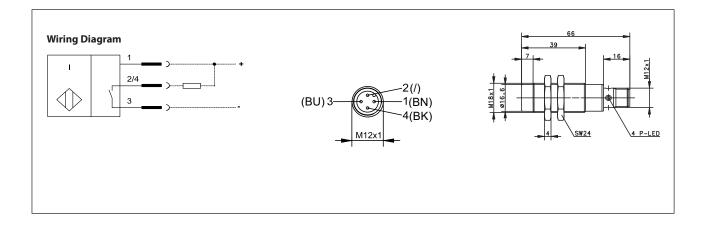


Inductive Proximity Switch

Series M18

Description KIN-M18NS/008-KLS12

Article number 6932306004



Identifying characteristics in accordance with EN 60947-5-2

Electrical data		
Rated operating distance	S _n	8 mm
Standard target		24 mm x 24 mm, t = 1 mm; material: FE360
Real sensing distance	S _r	7,2 8,8 mm
Assured operating distance	S	0 6,5 mm
Switching element function		DC, N.O.; Open Collector Output
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_{imp}	500 V
Voltage drop	Ūď	≤ 1,5 V
Utilization category		DC-13
Rated operational current	ľ	200 mA
Minimum operating current	I_	≤ 1 mA
Off-state current	I,	≤ 0,3 mA
No-load supply current	l	≤ 11 mA
Switching element	0	Permanent overload and s.c.p.
Short-circuit protection		pulsed
Frequency of operating cycles	f	200 Hz
Mounting		non 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	
Ambient air temperature	-25 °C +70 °C	
Type of protection	IP67, IP6k9k in front area	
Degree of pollution	3 (Pollution of the active zone can cause	
	impairments of the operating distances.)	
	LED yellow	
Termination type	Male plug M12x1, PA	
For attachment	2 x hexagon nut	

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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