

Inductive Proximity Switch - Namur

Series M18

Description KIN-M18EA/008-2G	Article number 6521627001
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Wiring Diagram

Current Characteristics

Identifying characteristics in accordance with DIN EN 60947-5-6

Electrical data		
Mounting		non flush
Rated operating distance	S_n	8 mm (switching point 1,5 mA @ $U_n = 8 V$ and $R_i = 1 k\Omega$)
Standard target		18 mm x 18 mm, t=1 mm; material: FE
Wiederholgenauigkeit	R	< 5 %
Rated voltage	U_n	DC 8 V
Rated operational voltage	U_e	DC 5 ... 25 V
Ripple		≤ 5 %
Current input	I	> 3 mA ($U_n = 8 V$ and $R_i = 1 k\Omega$) sensing face free < 1 mA ($U_n = 8 V$ and $R_i = 1 k\Omega$) sensing face damping
Frequency of operating cycles	f	≈ 200 Hz
Self-inductance	L_i	60 μH
Self-capacitance	C_i	55 nF

Mechanical data	
Front cap	PA 6.6, blue
Enclosure	brass, nickel plated
End cap	PA 12, blue
Ambient air temperature	-20 °C ... +60 °C
Type of protection	IP67
Termination type	Cable 2 x 0,5 mm ² , PVC - Outer jacket, blue
For attachment	2 x hexagon nut

EU Conformity
acc. to directive 2014/34/EU (ATEX Directive)

Label	
ATEX	II 3G Ex ib IIC T6 Gc
	II 3D Ex ib IIIC T70°C Dc