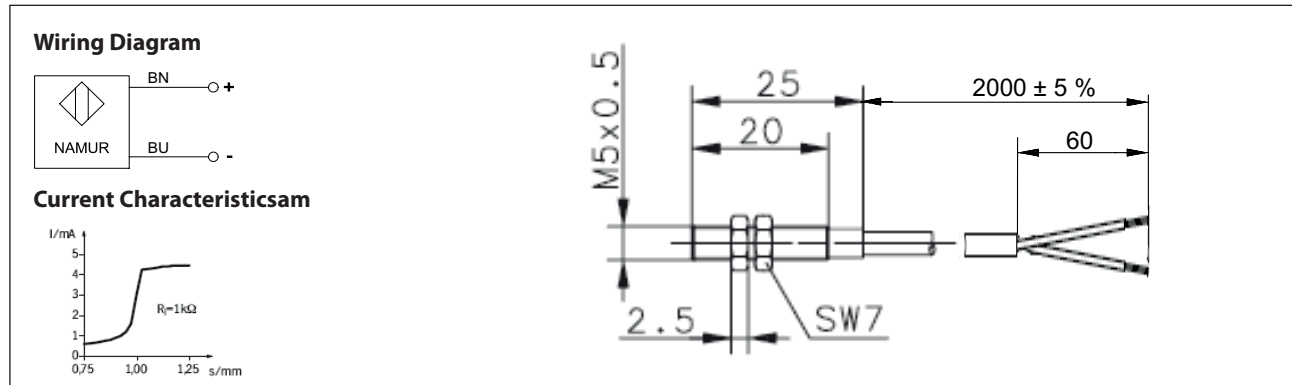


Inductive Proximity Switch - Namur

Series M05 

Description **KIB-M05EA/001-2G**

Article number **6521699002**



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

Electrical data		
Mounting		flush
Rated operating distance	S_n	1 mm (switching point 1,5 mA @ $U_n = 8\text{ V}$ and $R_i = 1\text{ k}\Omega$)
Standard target		5 mm x 5 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	> 3mA ($U_n = 8\text{ V}$ and $R_i = 1\text{ k}\Omega$) sensing face free < 1mA ($U_n = 8\text{ V}$ and $R_i = 1\text{ k}\Omega$) sensing face damping
Frequency of operating cycles	f	≈ 3 kHz
Self-inductance	L_i	30 μH
Self-capacitance	C_i	15 nF

Mechanical data	
Front cap	LCP, black
Enclosure	Brass, nickel plated
Ambient air temperature	-25 °C ... +60 °C
Type of protection	IP67
Termination type	Cable 2 x 0,14 mm ² , PVC - Outer jacket, black
For attachment	2 x hexagon nut

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

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