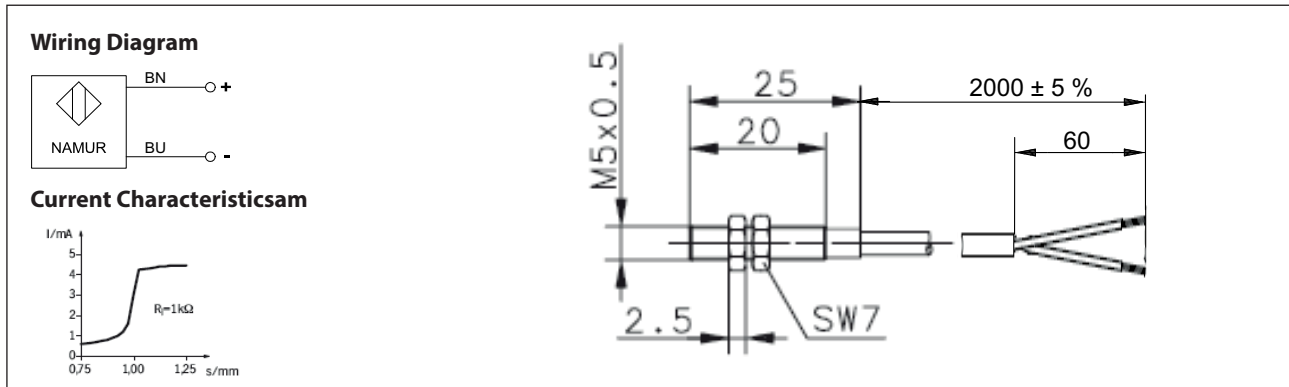


Inductive Proximity Switch - Namur

Series M05 

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

Article number **6581699013**



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 @ $U_n = 8 V$ and $R_i = 1 k\Omega$)
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
Connection to intrinsically safe circuits with the following maximum limits	U_i 30 V
	I_i 100 mA
	P_i 225 mW
	R_i ≤ 1 kΩ
Ripple	≤ 5 %
Current input	I > 3mA ($U_n = 8 V$ and $R_i = 1 k\Omega$) sensing face free < 1mA ($U_n = 8 V$ and $R_i = 1 k\Omega$) sensing face damping
Frequency of operating cycles	f ≈ 3 kHz
Self-inductance	L_i ≤ 0,2 mH
Self-capacitance	C_i ≤ 55 nF

Mechanical data	
Front cap	LCP, black
Enclosure	Brass, nickel plated
Ambient air temperature	-20 °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 94 / 9 / EC
Label	
ATEX	II 2 G Ex ib IIC T6 Gb