

Technical Data

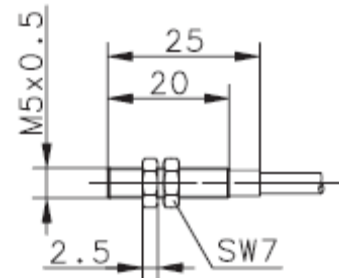
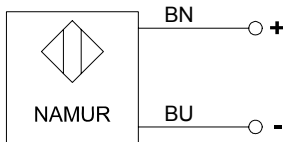
Inductive Proximity Switch - Namur

Series M05

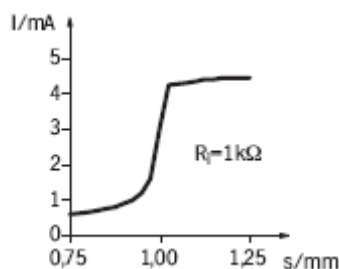
Description **KIB-M05EA/001-2**

Article number **6501699008**

Wiring Diagram



Current Characteristics



Identifying characteristics in accordance with EN 60947-5-2

Electrical data

Mounting		flush
Rated operating distance	S_n	5 mm (switching point 1,5 mA @ $U_n = 8\text{ V}$ and $R_i = 1\text{ k}\Omega$)
Standard target		5 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
Vibratory stresses		10-55 Hz, a=1 mm
Shock resistance		30 g, $t_{stoss}=11\text{ ms}$

Mechanical Data

Front cap	LCP, black
Enclosure	Brass, nickel plated
Ambient air temperature	-25 °C ... +70 °C
Type of protection	IP67
Termination type	Cable 2 x 0,14 mm ² x 2 m ±5 %, PVC - Outer jacket, black
For attachment	2 x hexagon nut

EU Conformity



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