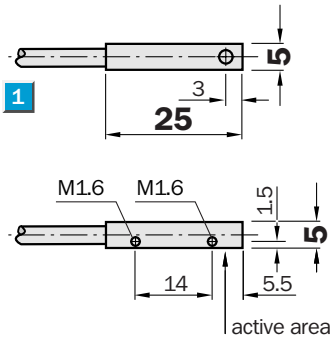
Sensing range 0.8 mm

Inductive sensor

- Can be installed flush
- High switching frequency
- Short-circuit protection (pulsed)
- Robust brass housing, nickel-plated
- Enclosure rating IP 67

Dimensional drawing

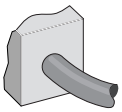


1 Connection

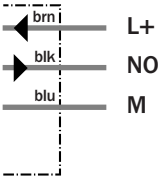
Connection type

IQ05-0B8NS-ZU1

IQ05-0B8PS-ZU1



3 x 0.06 mm²



Technical data	IQ05-	0B8NS -ZU1	0B8PS -ZU1								
Sensing range S_n	0.8 mm										
Electrical configuration	DC 3-wire										
Supply voltage V_S	DC 10 ... 30 V										
Ripple V_{pp}	≤ 20 %[1]										
Voltage drop V_d	≤ 2 V[2]										
Current consumption	≤ 10 mA[3]										
Continuous current I_a	≤ 200 mA										
Time delay before availability t_v	≤ 10 ms										
Hysteresis H (of s_r)	10 %										
Repeatability R	≤ 1.5 % (U_b and T_a constant)										
Temperature drift, of s_r	± 10 %										
EMC	According to EN 60 947-5-2										
Switching output	PNP										
	NPN										
Output function	Normally open[4]										
Installation	Flush										
Connection types	Cable, PUR, 2 m										
Enclosure rating	IP 67[5]										
Max. switching frequency	5,000 Hz										
Dimensions	5 x 5 x 25 mm[6]										
Short-circuit protection	✓[7]										
Reverse polarity protection	✓										
Power-up pulse suppression	✓										
Shock / vibration stress	30 g, 11 ms / 10 ... 55 Hz, 1 mm										
Ambient temperature T_a	-25 °C ... +70 °C										
Housing material	Brass nickel-plated, plastic										

[1] of U_b
[2] at I_a = 200mA
[3] without load
[4] normally closed function available on request
[5] according to EN 60 529
[6] width x height x depth
[7] (pulsed)

Order information	
Type	**Order no.**
IQ05-0B8NS-ZU1	6 020 162
IQ05-0B8PS-ZU1	6 020 161