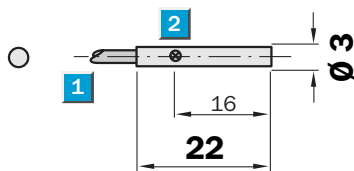
 **Sensing range**
0.6 mm

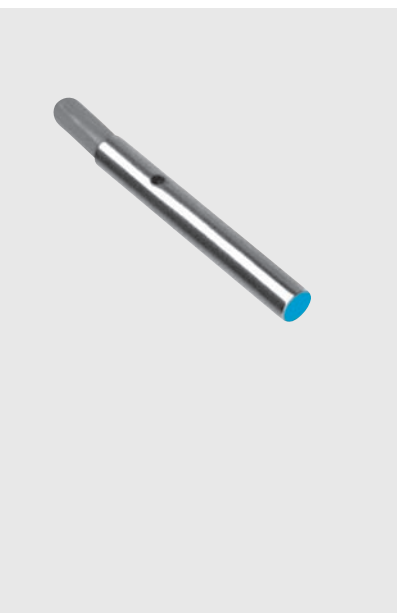
Inductive sensor

- Can be installed flush
- High switching frequency
- Short-circuit protection (pulsed)
- Solid stainless steel housing
- Enclosure rating IP 67

Dimensional drawing



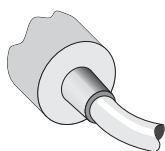
- 1 Connection
- 2 Display LED



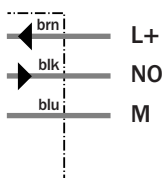
Connection type

IH03-0B6NS-VU1

IH03-0B6PS-VU1



3 x 0.06 mm²



Technical specifications		IH03-	OB6NS -VU1	OB6PS -VU1									
Sensing range S_n	0.6 mm												
Electrical configuration	DC 3-wire												
Supply voltage V_s	DC 10 ... 30 V												
Ripple U_{pp}	$\leq 20\%$ ¹⁾												
Voltage drop U_d	$\leq 0.6\text{ V}$ ²⁾												
Power consumption	$\leq 10\text{ mA}$ ³⁾												
Continuous current I_a	$\leq 100\text{ mA}$												
Time delay before availability t_v	$\leq 10\text{ ms}$												
Hysteresis H, of s_r	10 %												
Repeatability R	$\leq 2\%$ (U_b and T_a constant)												
Temperature drift, of s_r	$\pm 10\%$												
EMC	According to EN 60947-5-2												
Switching output	NPN												
	PNP												
Output function	Normally open ⁴⁾												
Installation	Flush												
Connection type	Cable, PUR, 2 m												
Enclosure rating	IP 67 ⁵⁾												
Max. switching frequency	5,000 Hz												
Sleeve diameter	3 mm												
Short-circuit protection	\checkmark ⁶⁾												
Reverse polarity protection	\checkmark												
Power-up pulse suppression	\checkmark												
Shock/vibration stress	30 g, 11 ms/10 ... 55 Hz, 1 mm												
Ambient temperature T_a	-25 °C ... +70 °C												
Housing material	Stainless steel, plastic												

¹⁾ of U_b
²⁾ at $I_a = 50\text{ mA}$

³⁾ without load
⁴⁾ normally closed function available on

request
⁵⁾ according to EN 60529

⁶⁾ (pulsed)

Order information

Type	Order no.
IH03-OB6NS-VU1	6 020 142
IH03-OB6PS-VU1	6 020 141