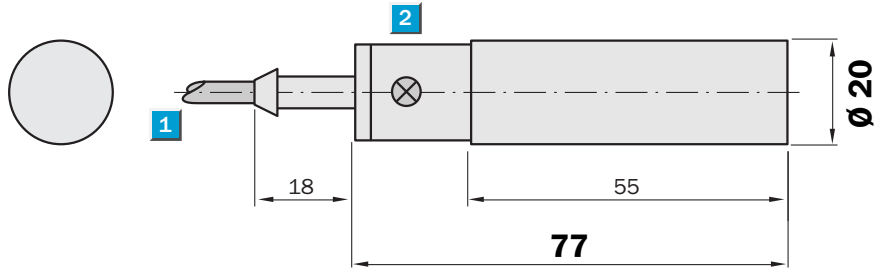


**Sensing range**  
**10 mm**

Inductive sensor

- Can be installed non-flush in metal
- Broad supply voltage range in AC and DC
- Plastic housing
- Enclosure rating IP 67
- Mounting clamps incl.

Dimensional drawing

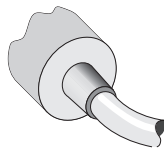


- 1 Connection
- 2 Display LED

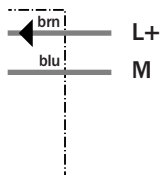


Connection type

IH20-10NUS-KUO



2 x 0.5 mm<sup>2</sup>



Technical data		IH20-	10NUS-KUO											
<b>Sensing range <math>S_n</math></b>	10 mm													
<b>Electrical configuration</b>	AC / DC 2-wire													
<b>Supply voltage <math>V_s</math></b>	AC / DC 20 ... 250 V													
Voltage drop $V_d$ AC / DC	$\leq 6.5$ V / $\leq 6$ V													
<b>Continuous current <math>I_a</math></b>	$\leq 350$ mA AC (... + 50 °C)													
	$\leq 250$ mA AC (... + 80 °C)													
	$\leq 100$ mA DC													
Peak current $I_k$	2.2 A (20 ms/0.5 Hz)													
Min. load current	5 mA													
Residual current	$\leq 2.5$ mA (250 V AC)													
	$\leq 1.3$ mA (110 V AC)													
	$\leq 0.8$ mA (24 V DC)													
Time delay before availability $t_v$	$\leq 45$ ms													
Hysteresis H (of $s_r$ )	1 ... 15 %													
Repeatability R	$\leq 10$ % ( $U_b$ and $T_a$ constant) <sup>1)</sup>													
Temperature drift, of $s_r$	$\pm 10$ %													
EMC	According to EN 60 947-5-2													
<b>Output function</b>	Normally open													
<b>Installation</b>	Non-flush													
<b>Connection types</b>	Cable, PUR-PVC, 2 m													
Enclosure rating	IP 67 <sup>2)</sup>													
<b>VDE protection class</b>	<input type="checkbox"/>													
Max. switching frequency AC / DC	25 Hz / 70 Hz													
Barrel diameter	20 mm													
<b>Wire-break protection</b>	-													
<b>Short-circuit protection</b>	-													
<b>Reverse polarity protection</b>	-													
<b>Power-up pulse suppression</b>	✓													
Shock / vibration stress	30 g, 11 ms / 10 ... 55 Hz, 1 mm													
Ambient temperature $T_a$	-25 °C ... +80 °C													
Housing material	Plastic													

<sup>1)</sup> of sr

<sup>2)</sup> according to EN 60 529

#### Order information

Type	Order no.
IH20-10NUS-KUO	7 902 130