

Proximity Sensors Inductive High Temperature Types IA, M12, NAMUR



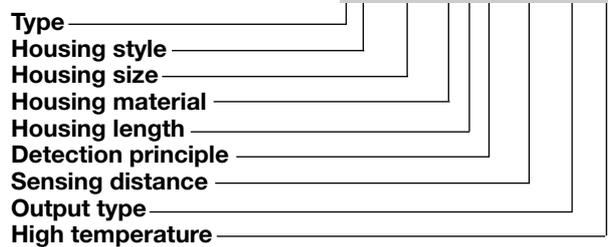
- Nickel-plated brass housing
- Sensing distance: 2 mm
- Power supply: 8 VDC
- Output: NAMUR
- For flush mounting
- 2 m silicone cable

Product Description

Inductive proximity sensor with NAMUR output in M12 housing for flush mounting. Connection with 2 m silicone cable.

Ordering Key

IA 12 ASF 02 UHT-K



Type Selection

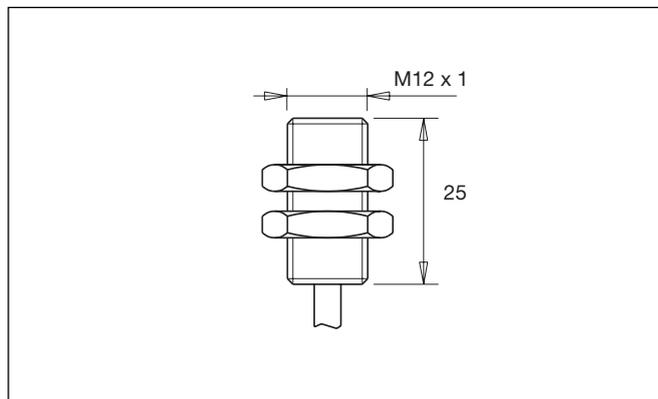
Rated operating dist. (S _n)	Connection type	Housing dimensions	Ordering no. Namur output
2.0 mm	Cable, 2 m	M12	IA 12 ASF 02 UHT-K

For flush mounting in metal

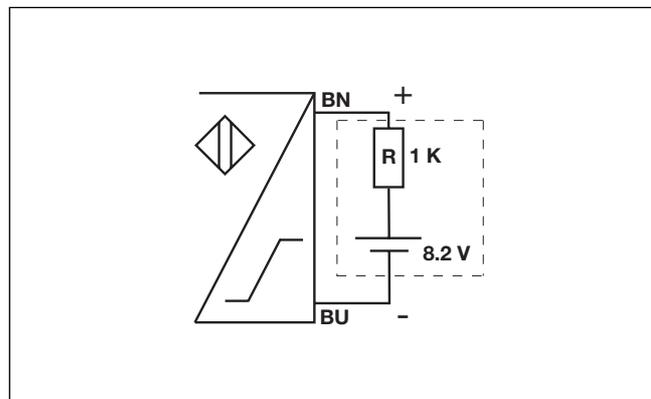
Specifications

Rated operational volt. (U_B)	8 VDC	Ambient temperature	
Ripple	≤ 10%	Operating	-25° to +120°C (-13° to +248°F)
Rated operational current (I_e) Continuous	Activated: < 1.1 mA Not activated: > 2.2 mA	Storage	-30° to +125°C (-22° to +257°F)
Frequency of op. cycles (f)	2 kHz	Degree of protection	IP 67 (Nema 1, 3, 4, 6, 13)
Effective operating dist. (S_r)	0.9 x S _n ≤ S _r ≤ 1.1 x S _n	Housing material	Nickel-plated brass
Usable operating dist. (S_u)	0.85 x S _r ≤ S _u ≤ 1.15 x S _r	CE-marking	Yes
		Connection	Cable, silicone, 2 m, AWG 26

Dimensions



Wiring Diagram



Installation Hints

<p><i>To avoid interference from inductive voltage/current peaks, separate the prox. switch power cables from any other power cables, e.g. motor, contactor or solenoid cables</i></p>	<p><i>Relief of cable strain</i></p> <p>Incorrect</p> <p>Correct</p> <p>The cable should not be pulled</p>	<p><i>Protection of the sensing face</i></p> <p>A proximity switch should not serve as mechanical stop</p>	<p><i>Switch mounted on mobile carrier</i></p> <p>Any repetitive flexing of the cable should be avoided</p>
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