

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 _____
Housing style _____
Housing size _____
Housing material _____
Housing length _____
Detection principle _____
Sensing distance _____
Output type _____
High temperature _____

Type Selection

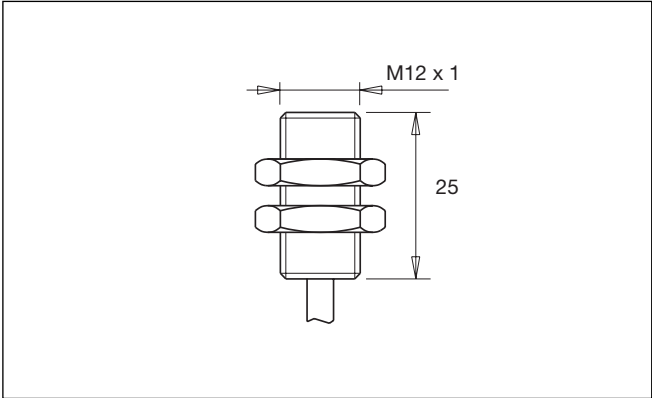
Rated operating dist. (S _n)	Connection type	Housing dimensions	Ordering no. Namur output
2.0 mm	Cable, 2 m	M12	IA 12 ASF 02 UHT-K

For flush mounting in metal

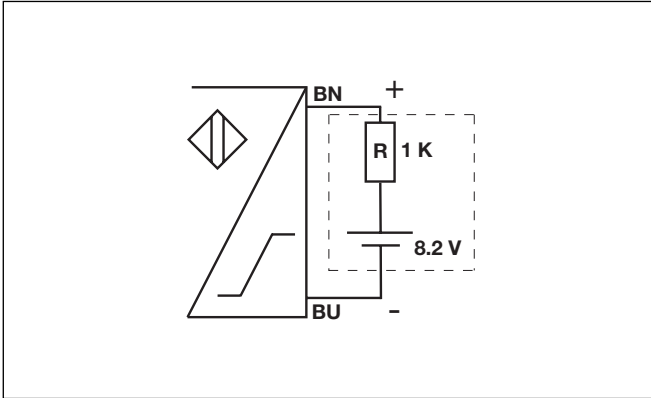
Specifications

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

Dimensions



Wiring Diagram



Installation Hints

<p>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</p> <p>10</p>	<p>Relief of cable strain</p> <p>Incorrect</p> <p>Correct</p> <p>The cable should not be pulled</p>	<p>Protection of the sensing face</p> <p>A proximity switch should not serve as mechanical stop</p>	<p>Switch mounted on mobile carrier</p> <p>Any repetitive flexing of the cable should be avoided</p>
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