Proximity Sensors Inductive High Temperature Types IA, M12, NAMUR

CARLO GAVAZZI

- 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: Ind. prox. switch
Housing style
Housing size
Housing material
Housing length
Detection principle
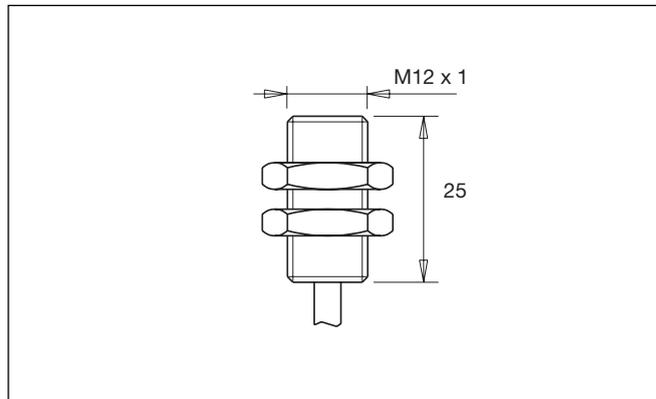Sensing distance
Output type
High temperature

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_e)		Storage	-30 to +125°C (-22 to +257°F)
Continuous	Activated: < 1.1 mA	**Degree of protection**	IP 67 (Nema 1, 3, 4, 6, 13)
	Not activated: > 2.2 mA	**Housing material**	Nickel-plated brass
Frequency of op. cycles (f)	2 kHz	**CE-marking**	Yes
Effective operating dist. (S_r)	$0.9 \times S_n \le S_r \le 1.1 \times S_n$	**Connection**	Cable, silicone, 2 m, AWG 26
Usable operating dist. (S_u)	$0.85 \times S_r \le S_u \le 1.15 \times S_r$		

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Dimensions

M12 x 1

25

Wiring Diagram

BN +

R 1 K

8.2 V

BU −

Installation Hints

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	*Relief of cable strain*	*Protection of the sensing face*	*Switch mounted on mobile carrier*
	Incorrect		
10	Correct		
	The cable should not be pulled	A proximity switch should not serve as mechanical stop	Any repetitive flexing of the cable should be avoided
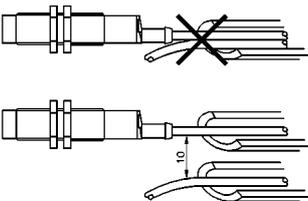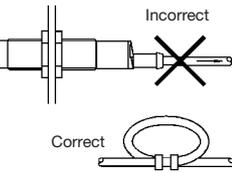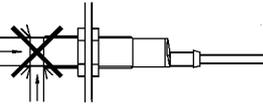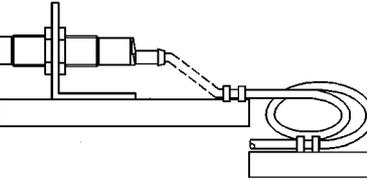
Specifications are subject to change without notice (07.12.00)

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