



Inductive Sensors Series 30 - NAMUR EN 60947-5-6

Housing M 12 x 1

- Housing material: Brass
- For use in areas with the risk of gas explosion, zone 0
- For use in areas with the risk of dust explosion, zone 20
- Sensing distance $S_n = 2 \text{ mm}$

Certificates:



DMT 03 ATEX E 048

IECEx BVS 07.0031

Ex II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga

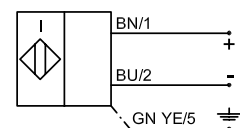
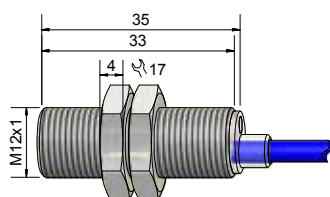
Ex II 1D Ex ia IIIC T101°C Da

Ex ia IIIC T101°C Da

Technical data

Flush mountable

Operating distance S_n	2 mm
Electrical version	2-wire DC
Output	NAMUR EN 60947-5-6
Type	IAS-30-A12-N-StEx
Art.-No.	IA 0091
Operating voltage (U_B)	5 - 15 V DC, $U_i = 15 \text{ V DC}$
Output current active surface free	> typ. 2 mA
Output current active surface covered	< typ. 1.5 mA
Self-inductance (L)	2 mH
Self-capacitance (C)	250 nF
Permitted residual ripple max.	5 %
Frequency of operating cycles max.	1.5 kHz
Permitted ambient temperature	-20...+90 °C
LED-display	Yellow
Degree of protection IEC 60529	IP 67
Connection cable	2 m PVC, 3 x 0.14 mm ²
Housing material	Brass
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PC (FDA 21 CFR 177.1580)



All specifications are subject to change without notice. (05/2013)