



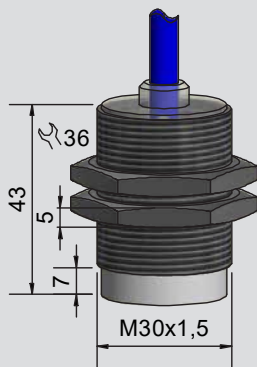
Inductive sensors

Series 30 - NAMUR DIN 60947-5-6, ATEX

Article number: IA0096

Description: IAS-30-A24-N-M30-PTFE/MS-Z02-0-1G-1D

- Inductive sensor for monitoring and position control
- For use in areas with the risk of dust explosion, zone 20
- For use in areas with the risk of gas explosion, zone 1
- Housing material: Brass



Technical data

Mounting	Non-flush mountable
Operating distance (S_n)	15 mm
Output function	NAMUR DIN 60947-5-6
Operating voltage (U_B)	5 - 15 V DC, $U_i = 15$ 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 kHz
Permitted ambient temperature	-20...+70 °C
LED-display	Yellow
Protective circuit	Built-in
Degree of protection IEC 60529	IP 67
Norm	EN 60947-5-2
Connection	Cable, 2 m, PVC, 3 x 0.75 mm ²
Housing material	Nickel-plated brass
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PC (FDA 21 CFR 177.1580)
Housing size / Process connection	M 30 x 1.5
ATEX certificate	DMT 03 ATEX E 048X
ATEX Product marking Gas	Ex II 1G Ex ia IIC T1...T6 Ga
ATEX Product marking Dust	Ex II 1D Ex ia IIIC T135 ₂₀₀ °C Da
IECEx certificate	IECEx BVS 07.0031X
IECEx Product marking Gas	Ex ia IIC T1...T6 Ga
IECEx Product marking Dust	Ex ia IIIC T135 ₂₀₀ °C Da
MTTF (average operating time until failure)	3664.46 years
Accessories (delivered with the sensor)	2 nuts M 30 x 1.5
Made in Germany	

