



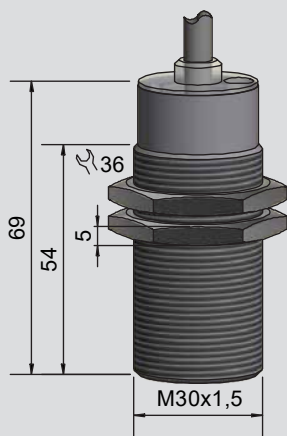
Inductive sensors

Series 10 - PNP - ATEX

Article number IA0269

Description IAS-10-A14-A-M30-PTFE/VAc-Z10-0-2G-1/2D

- 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



Technical data

Mounting	Flush mountable
Operating distance S_n	10 mm
Output function	PNP, Antivalent
Operating voltage (U_B)	10...30 V DC
Voltage drop max. (U_d)	≤ 2.5 V
Permitted residual ripple max.	10 %
Operating current (I_o)	2 x 0...150 mA
No-load current (I_o)	Typ. 15 mA
Frequency of operating cycles max.	1 kHz
Permitted ambient temperature	-20...+70 °C
LED-display	Green / yellow
Protective circuit	Built-in
Degree of protection IEC 60529	IP 67
Norm	EN 60947-5-2
Connection	Cable, 10 m, PVC, 5 x 0.34 mm ²
Housing material	Stainless steel VA No. 1.4404 / AISI 316L
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 01 ATEX E 157
ATEX Product marking Gas	Ex II 2G Ex mb Ex IIC T4 Gb
ATEX Product marking Dust	Ex II 1/2 D Ex ta/tb Ex IIIC T101°C Da/Db
IECEx certificate	IECEx BVS 07.0015
IECEx Product marking Gas	Ex mb IIC T4 Gb
IECEx Product marking Dust	Ex ta/tb IIIC T ₂₀₀ 101°C Da/Db
CCC certificate	2020312315000410
CCC Product marking Gas	Ex mb IIC T4 Gb
CCC Product marking Dust	Ex tD A21 IP67 T101°C
MTTF (average operating time until failure in Years)	1218 Years
Accessories (delivered with the sensor)	2 nuts M 30 x 1.5
Made in Germany	

