



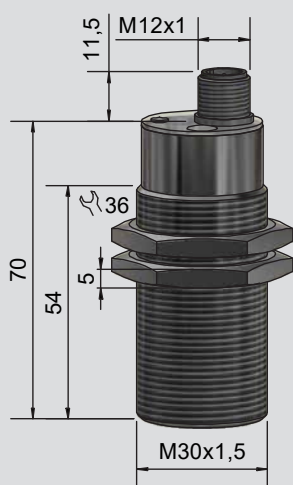
Inductive sensors

Series 10 - PNP - ATEX

Article number IA0231

Description IAS-10-A14-A-M30-PTFE/VAb-Y10-0-1/2D

- Inductive sensor for monitoring and position control
- For use in areas with the risk of dust explosion, zone 20
- With flange connector M 12 x 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...+90 °C
LED-display	Green / yellow
Protective circuit	Built-in
Degree of protection IEC 60529	IP 67
Norm	EN 60947-5-2
Connection	Flange connector M 12 x 1 (A-coded)
Housing material	Stainless steel VA No. 1.4305 / AISI 303
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 Dust	Ex II 1/2 D Ex ta/tb Ex IIIC T101°C Da/Db
IECEx certificate	IECEx BVS 07.0015
IECEx Product marking Dust	Ex ta/tb IIIC T ₂₀₀ 101°C Da/Db
MTTF (average operating time until failure)	1218 Years
Accessories (delivered with the sensor)	2 nuts M 30 x 1.5, protection clip
Matching connectors (not delivered with the sensor)	Female connector M 12, DC, 5 x 0.5 mm ² , 2 m, #193345 Female connector M 12, DC, 5 x 0.5 mm ² , 10 m, #193347
Made in Germany	

