



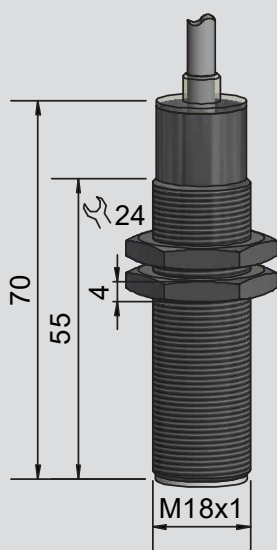
Inductive sensors

Series 20 - NPN - ATEX

Article number IA0136

Description IAS-20-A13-A-M18-PTFE/MS-Z02-0-2G-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	5 mm
Output function	NPN, 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.	2 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, 2 m, PVC, 5 x 0.14 mm ²
Housing material	Brass
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PC (FDA 21 CFR 177.1580)
Housing size / Process connection	M 18 x 1
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
MTTF (average operating time until failure in Years)	1218 Years
Accessories (delivered with the sensor)	2 nuts M 18 x 1

Made in Germany

