

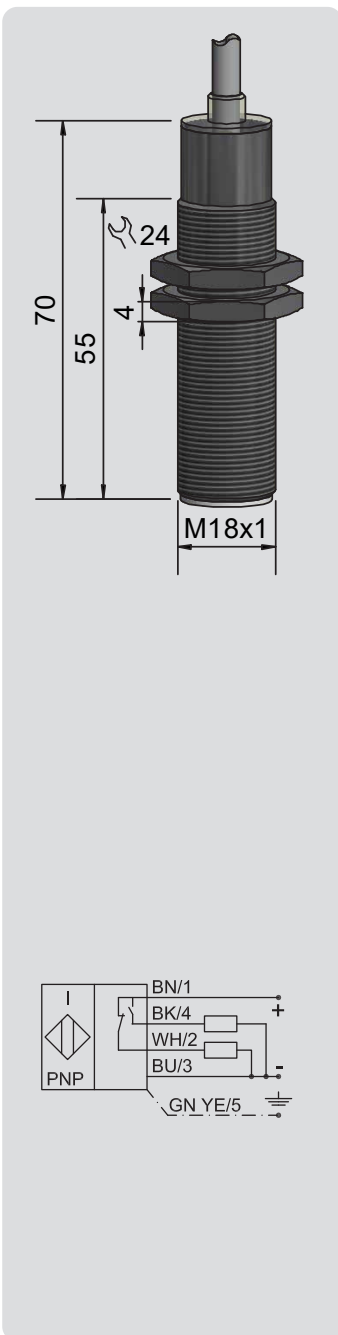
### Inductive sensors

Series 10 - PNP - ATEX

Article number IA0168

Description IAS-10-A13-A-M18-PTFE/MS-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 $S_n$	5 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.	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, 10 m, PVC, 5 x 0.14 mm <sup>2</sup>
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 <sub>200</sub> 101°C Da/Db
MTTF (average operating time until failure in Years)	1218 Years
<b>Accessories</b> (delivered with the sensor)	2 nuts M 18 x 1
Made in Germany	

All specifications are subject to change without notice. (23.05.2022)