



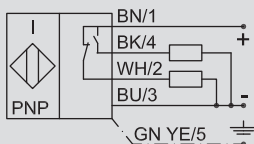
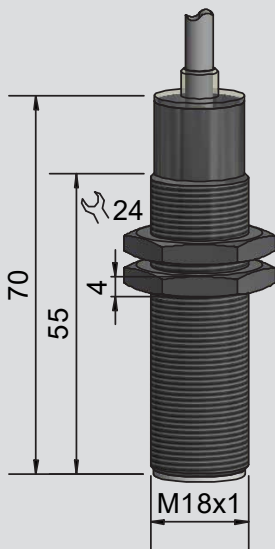
## Inductive sensors

Series 10 - PNP - ATEX

Article number IA0260

Description IAS-10-A13-A-M18-PTFE/VAb-Z05-0-2G-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, 5 m, PVC, 5 x 0.14 mm <sup>2</sup>  |
| 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 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