



Inductive Sensors Series 30 - NAMUR EN 60947-5-6

Housing M 18 x 1

- Housing material: Brass
- For use in areas with the risk of gas explosion, zone 0
- For use in areas with the risk of dust explosion, zone 20
- Sensing distance $S_n = 5\text{ mm}$

Certificates:



DMT 03 ATEX E 048

IECEX BVS 07.0031

Ex II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga

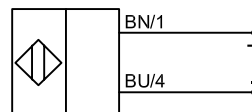
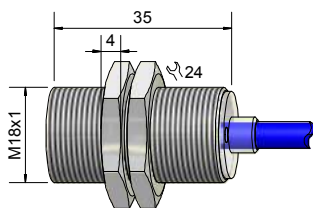
Ex II 1D Ex ia IIIC T101°C Da

Ex ia IIIC T101°C Da

Technical data

Flush mountable

| | |
|---------------------------------------|-------------------------------------|
| Operating distance S_n | 5 mm |
| Electrical version | 2-wire DC |
| Output | NAMUR EN 60947-5-6 |
| Type | IAS-30-A13-N-StEx |
| Art.-No. | IA 0116 |
| Operating voltage (U_B) | 5 - 15 V DC, $U_i = 15\text{ V DC}$ |
| Output current active surface free | > typ. 2 mA |
| Output current active surface covered | < typ. 1.5 mA |
| Self-inductance (L) | 2 mH |
| Self-capacitance (C) | 250 nF |
| Permitted residual ripple max. | 5 % |
| Frequency of operating cycles max. | 1.5 kHz |
| Permitted ambient temperature | -20...+90 °C |
| LED-display | Yellow |
| Degree of protection IEC 60529 | IP 67 |
| Connection cable | 10 m PVC, 3 x 0.34 mm ² |
| Housing material | Brass |
| Active surface | PA / PPO |
| Lid | PC (FDA 21 CFR 177.1580) |



All specifications are subject to change without notice. (28.01.2013)

Made in Germany