





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

Housing M 12 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 $S_n = 4$ mm

Certificates:    

| | |
|--|----------------------|
| DMT 03 ATEX E 048 | IECEX BVS 07.0031 |
|  II 1G Ex ia IIC T1-T6 Ga | Ex ia IIC T1-T6 Ga |
|  II 1D Ex ia IIIC T101°C Da | Ex ia IIIC T101°C Da |

Technical data

| | |
|---------------------------------------|-----------------------------------|
| | Non-flush mountable |
| Operating distance S_n | 4 mm |
| Electrical version | 2-wire DC |
| Output | NAMUR EN 60947-5-6 |
| Type | IAS-30-A22-N-StEx |
| Art.-No. | IA 0090 |
| Operating voltage (U_B) | 5 - 15 V DC, $U_i = 15$ 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 | 2 m PVC, 3 x 0.14 mm ² |
| Housing material | Brass |
| Active surface | PTFE (FDA 21 CFR 177.1550) |
| Lid | PC (FDA 21 CFR 177.1580) |

All specifications are subject to change without notice. (05/2013)

