



## Capacitive Sensors Serie 40 - NAMUR EN 60947-5-6

Housing M 18 x 1

- For use in areas with the risk of dust explosion, zone 20
- For use in areas with the risk of gas explosion, zone 0
- Housing material: PTFE
- Sensing distance 2...10 mm adjustable

DMT 03 ATEX E 048

IECEx BVS 07.0031

Ex II 1G Ex ia IIC T1-T6 Ga

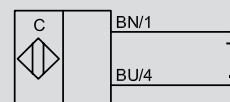
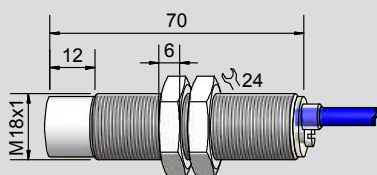
Ex ia IIC T1-T6 Ga

Ex II 1D Ex ia IIIC T101°C Da

Ex ia IIIC T101°C Da



| Technical data                            | Non-flush mountable                |
|-------------------------------------------|------------------------------------|
| Operating distance $S_n$                  | 8 mm                               |
| Operating distance min. / max. adjustable | 2...10 mm                          |
| Electrical version                        | 2-wire DC                          |
| Output                                    | NAMUR DIN 60947-5-6                |
| Type                                      | KAS-40-A23-N-K-PTFE-StEx           |
| Art. No.                                  | KA 0282                            |
| Operating voltage ( $U_B$ )               | 5 - 15 V DC, $U_i = 15$ V DC       |
| Output current active surface free        | < typ. 1.5 mA                      |
| Output current active surface covered     | > typ. 2.5 mA                      |
| Self-inductance (L)                       | 0.2 mH                             |
| Self-capacitance (C)                      | 250 nF                             |
| Permitted residual ripple max.            | 5 %                                |
| Frequency of operating cycles max.        | 50 Hz                              |
| Permitted ambient temperature             | -25...+70 °C                       |
| LED-display                               | Yellow                             |
| Degree of protection IEC 60529            | IP 67                              |
| Connection cable                          | 2 m, PUR, 2 x 0.34 mm <sup>2</sup> |
| Housing material                          | PTFE (FDA 21 CFR 177.1550)         |
| Active surface                            | PTFE (FDA 21 CFR 177.1550)         |
| Lid                                       | PC (FDA 21 CFR 177.1580)           |
| Media optimized                           | Yes                                |
| Accessories (is delivered with the unit)  | 2 nuts M 18 x 1                    |



\* With sealed potentiometer screw

Made in Germany