



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



Housing Ø 11 mm

- For use in areas with the risk of gas explosion, zone 0
- Housing material: PTFE
- Sensing distance 1...6 mm adjustable

Certificate:



DMT 03 ATEX E 048

IECEx BVS 07.0031

Ex II 1G Ex ia IIC T1-T6 Ga

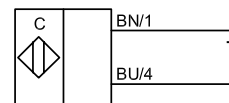
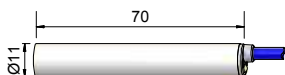
Ex ia IIC T1-T6 Ga



### Technical data

Non-flush mountable

|   |                                    |
|---|------------------------------------|
| Operating distance $S_n$                  | 4 mm                               |
| Operating distance min. / max. adjustable | 1...6 mm                           |
| Electrical version                        | 2-wire DC                          |
| Output function                           | NAMUR DIN 60947-5-6                |
| <b>Type</b>                               | <b>KAS-40-14-N-PTFE</b>            |
| <b>Art. No.</b>                           | <b>KA 0006</b>                     |
| 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                               | -                                  |
| Degree of protection IEC 60529            | IP 67                              |
| Connection cable                          | 5 m, PVC, 2 x 0.14 mm <sup>2</sup> |
| Housing material                          | PTFE (FDA 21 CFR 177.1550)         |
| Active surface                            | PTFE (FDA 21 CFR 177.1550)         |
| Lid                                       | PA / PPO                           |
| Media optimized                           | Yes                                |



All specifications are subject to change without notice. (05.02.2013)

**Made in Germany**