



Capacitive Sensors Series 42 - NAMUR EN 60947-5-6

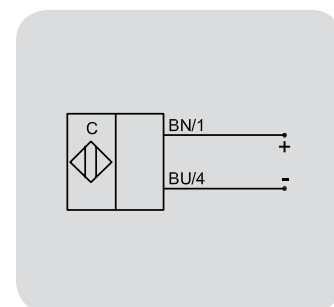
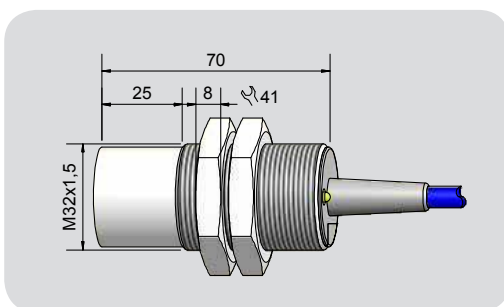
Housing M 32 x 1.5

- Housing material: PTFE
- Ideal for detection of chemically aggressive media
- Suitable for food applications
- Sensing distance 0...20 mm adjustable
- Option: Total chemical resistance is given when ordering the sensor with PTFE cable and PTFE-protection set Art.-No. 196301
- Overfill prevention
- Leakage control



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|---|------------------------------------|
| Technical data | Non-flush mountable |
| Operating distance S_n | 18 mm |
| Operating distance min. / max. adjustable | 0...20 mm |
| Electrical version | 2-wire DC |
| Output function | NAMUR DIN 60947-5-6 |
| Type | KAS-42-35-N-M32-PTFE-Z02-1 |
| Art. No. | KA 1452 |
| 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 | -20...+70 °C |
| LED-display | Yellow |
| Degree of protection IEC 60529 | IP 67* |
| Connection cable | 2 m, PUR, 2 x 0.75 mm ² |
| Housing material | PTFE (FDA 21 CFR 177.1550) |
| Active surface | PTFE (FDA 21 CFR 177.1550) |
| Lid | PA / PPO |
| Accessories (is delivered with the unit) | 2 nuts M 32 x 1.5 |

* With sealed potentiometer screw



Made in Germany

All specifications are subject to change without notice. (04.04.2018)