



## Capacitive Sensors

### Series 80 - PNP

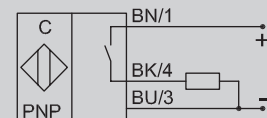
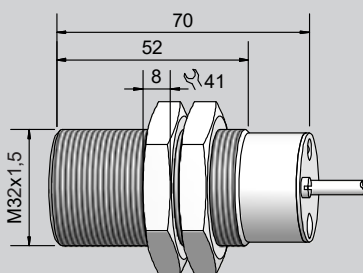
Housing M 32 x 1.5

- Housing material: PTFE
- Ideal for detection of chemically aggressive media
- Ideal for use in food applications
- Sensing distance 0.5...30 mm adjustable
- Option: Total chemical resistance is given when ordering the sensor with PTFE cable and PTFE - protection set Art.-No. 196301 (not supplied with the sensor)



| Technical data                            | Flush mountable                      |
|---|--------------------------------------|
| Operating distance $S_n$                  | 20 mm                                |
| Operating distance min. / max. adjustable | 0.5...30 mm                          |
| Electrical version                        | 3-wire DC                            |
| Output                                    | Normally open (NO)                   |
| <b>Type PNP</b>                           | <b>KAS-80-30-S-M32-PTFE-Z05-1-HP</b> |
| <b>Art.-No.</b>                           | <b>KA 0012</b>                       |
| Operating voltage ( $U_B$ )               | 10...35 V DC                         |
| Operating current ( $I_o$ )               | 250 mA                               |
| Voltage drop max. ( $U_d$ )               | ≤ 2.0 V                              |
| Permitted residual ripple max.            | 10 %                                 |
| No-load current ( $I_o$ )                 | Typ. 15 mA                           |
| Frequency of operating cycles max.        | 50 Hz                                |
| Permitted ambient temperature             | -25...+70 °C                         |
| LED-display                               | Green / yellow                       |
| Protective circuit                        | Built-in                             |
| Degree of protection IEC 60529            | IP 67                                |
| Norm                                      | EN 60947-5-2                         |
| Connection cable                          | 5 m, PTFE, 3 x 0.34 mm <sup>2</sup>  |
| Housing material                          | PTFE (FDA 21 CFR 177.1550)           |
| Active surface                            | PTFE (FDA 21 CFR 177.1550)           |
| Lid                                       | PTFE (FDA 21 CFR 177.1550)           |
| Media optimized                           | Yes                                  |
| Accessories (included in delivery)        | 2 nuts M 32 x 1.5                    |

All specifications are subject to change without notice. (05.10.2021)



**Made in Germany**