



## Capacitive Sensors

### Series 80 - PNP

Housing M 32 x 1.5

- Housing material: PTFE
- Ideal for detection of chemically aggressive media
- Suitable for food applications
- Sensing distance 1...40 mm adjustable



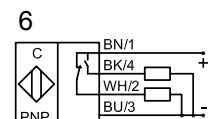
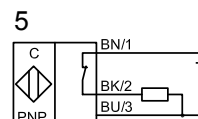
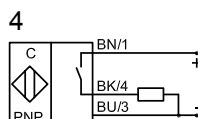
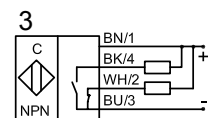
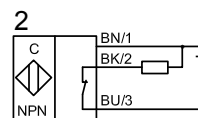
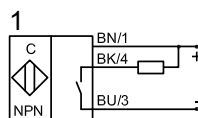
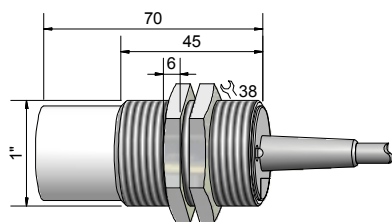
Certificate:



#### Technical data

|   |                                    |                     |
|---|------------------------------------|---------------------|
| Operating distance $S_n$                  | 25 mm                              | Non-flush mountable |
| Operating distance min. / max. adjustable | 1...40 mm                          |                     |
| Electrical version                        | 4-wire DC                          |                     |
| Output                                    | Antivalent (NO + NC)               |                     |
| <b>Type NPN</b>                           |                                    |                     |
| <b>Art.-No.</b>                           |                                    |                     |
| Connection diagram No.                    |                                    |                     |
| <b>Type PNP</b>                           |                                    |                     |
| <b>KAS-80-35-A-1"-PTFE</b>                |                                    |                     |
| <b>Art.-No.</b>                           |                                    |                     |
| <b>819 150</b>                            |                                    |                     |
| Connection diagram No.                    |                                    |                     |
| 6   |                                    |                     |
| Operating voltage ( $U_B$ )               | 10...35 V DC                       |                     |
| Output current max. ( $I_o$ )             | 250 mA                             |                     |
| Voltage drop max. ( $U_o$ )               | ≤ 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                                | 2 m, PVC, 4 x 0.50 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. (12.10.2012)



**Made in Germany**