



## Capacitive Sensors Series 80 - PNP



Housing M 32 x 1.5

- Housing material: PTFE
- Ideal for detection of chemically aggressive media
- Also suitable for food applications
- Sensing distance 1...40 mm adjustable
- Option: Total chemical resistance is given when ordering the sensor with PTFE cable and PTFE- protection set Art.-No. 196301

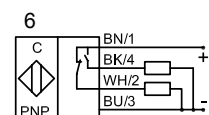
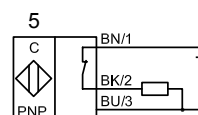
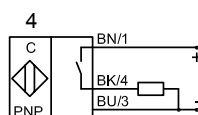
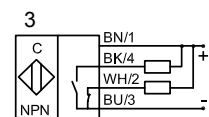
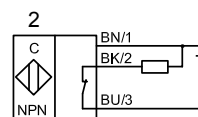
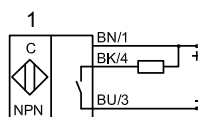
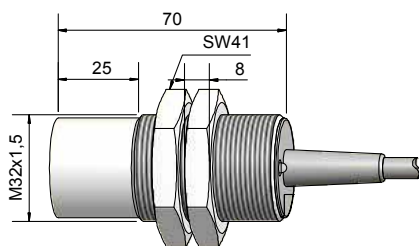
Certificate:



| Technical data                                    | Non-flush mountable               |
|---|-----------------------------------|
| Operating distance $S_n$                          | 25 mm                             |
| Operating distance min. / max. adjustable         | 1...40 mm                         |
| Electrical version                                | 4-wire DC                         |
| Output function                                   | Antivalent                        |
| <b>Type NPN</b>                                   |                                   |
| <b>Art.-No.</b>                                   |                                   |
| Connection diagram No.                            |                                   |
| <b>Type PNP</b>                                   |                                   |
| <b>KAS-80-35-A-M32-PTFE</b>                       |                                   |
| <b>Art.-No.</b>                                   |                                   |
| <b>820 300</b>                                    |                                   |
| Connection diagram No.                            |                                   |
| 6   |                                   |
| Operating voltage ( $U_b$ )                       | 10...35 V DC                      |
| Output current max. ( $I_e$ )                     | 2 x 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                                  | 2 m, PVC, 4 x 0.5 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                               |
| <b>Accessories (is delivered with the sensor)</b> |                                   |
| 2 pieces nuts M 32                                |                                   |

All specifications are subject to change without notice. (06/2014)

\* With sealed potentiometer screw



Made in Germany