



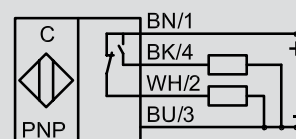
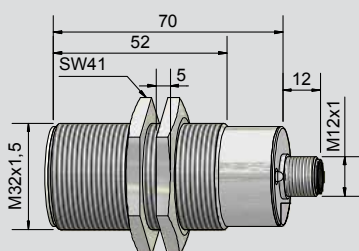
## Capacitive Sensor Series 80 - PNP

Housing M 32 x 1.5

- Capacitive sensor for level and position control
- Housing material: Stainless steel VA No. 1.4305 (AISI 303)
- Sensing distance 0.5...30 mm adjustable
- With flange connector M 12 x 1
- For detection of strong adhesive and very conductive liquids



| Technical data                                      | Flush mountable                          |
|-----------------------------------------------------|------------------------------------------|
| Operating distance $S_n$                            | 20 mm                                    |
| Operating distance min. / max. adjustable           | 0.5...30 mm                              |
| Electrical version                                  | 4-pin DC                                 |
| Output function                                     | Antivalent                               |
| <b>Type PNP</b>                                     | <b>KAS-80-30-A-M32-PTFE/VAb-Y5-1-HP</b>  |
| <b>Art.-No.</b>                                     | <b>816 002</b>                           |
| Operating voltage ( $U_B$ )                         | 10...35 V DC                             |
| Voltage drop max. ( $U_d$ )                         | $\leq 2.0$ V                             |
| Permitted residual ripple max.                      | 10 %                                     |
| Operating current ( $I_e$ )                         | 2 x 0...250 mA                           |
| No-load current ( $I_o$ )                           | Typ. 15 mA                               |
| Frequency of operating cycles max.                  | 200 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                                          | Flange connector M 12 x 1 (A-coded)      |
| Housing material                                    | Stainless steel VA No. 1.4305 (AISI 303) |
| Active surface                                      | PTFE (FDA 21 CFR 177.1550)               |
| Lid                                                 | PA / PPO                                 |
| Media optimized                                     | Yes                                      |
| <b>Accessories</b> (delivered with the sensor)      | 2 nuts M 32 x 1.5                        |
| Matching connectors (not delivered with the sensor) | #193391, #193392                         |



\* With sealed potentiometer screw

**Made in Germany**