



## Capacitive Sensors

### Series 80 - PNP

Housing M 30 x 1.5

- Housing material: Stainless steel VA
- Sensing distance 1...30 mm adjustable
- With flange connector M 12 x 1

Certificate:

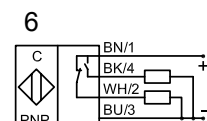
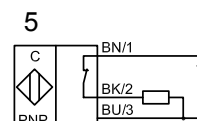
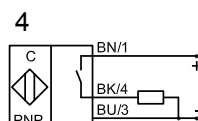
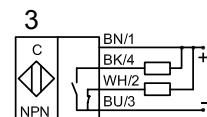
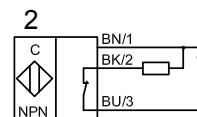
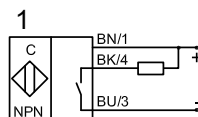
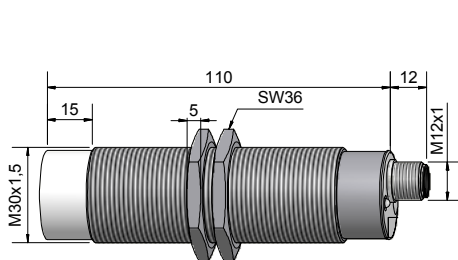


Quattro<sup>Exc</sup>Protect™

#### Technical data

|   |                            |
|---|----------------------------|
|   | Non-flush mountable        |
| Operating distance $S_n$                  | 15 mm                      |
| Operating distance min. / max. adjustable | 1...30 mm                  |
| Electrical version                        | 4-pin DC                   |
| Output                                    | Antivalent (NO + NC)       |
| <b>Type NPN</b>                           |                            |
| <b>Art.-No.</b>                           |                            |
| Connection diagram No.                    |                            |
| <b>Type PNP</b>                           |                            |
| <b>Art.-No.</b>                           |                            |
| <b>KAS-80-A24/110-A-PTFE/VA-Y5</b>        |                            |
| <b>KA 0361</b>                            |                            |
| Connection diagram No.                    |                            |
| 6   |                            |
| Operating voltage ( $U_B$ )               | 10...35 V DC               |
| Output current max. ( $I_o$ )             | 2 x 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                                | Flange connector M 12 x 1  |
| Housing material                          | VA No. 1.4305              |
| Active surface                            | PTFE (FDA 21 CFR 177.1550) |
| Lid                                       | PA / PPO                   |
| Media optimized                           | Yes                        |

All specifications are subject to change without notice. (05.01.2011)



**Made in Germany**