



## Capacitive Sensors



### Series 80 - PNP

Housing M 32 x 1.5

- Housing material: Stainless steel VA
- Sensing distance 0.5...30 mm adjustable
- With flange connector M12 x 1

Certificate:



Quattro<sup>ETC</sup>Protect™

#### Technical data

Flush mountable

|   |                      |
|---|----------------------|
| Operating distance $S_n$                  | 20 mm                |
| Operating distance min. / max. adjustable | 0.5...30 mm          |
| Electrical version                        | 4-wire DC            |
| Output function                           | Antivalent (NO + NC) |

#### Type NPN

Art.-No.

Connection diagram No.

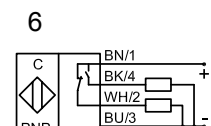
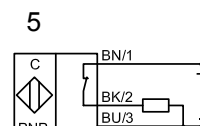
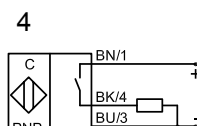
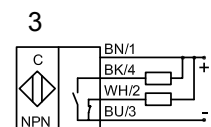
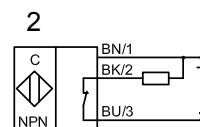
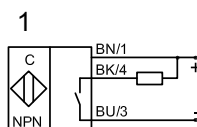
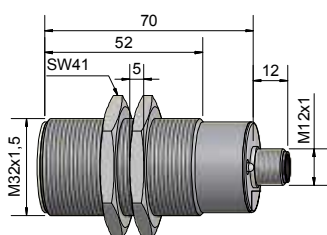
#### Type PNP

**KAS-80-30-A-M32-V2A-Y5**

Art.-No.

**816 002**

|                                    |                            |
|------------------------------------|----------------------------|
| 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. | 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  |
| Housing material                   | VA No. 1.4305              |
| Active surface                     | PTFE (FDA 21 CFR 177.1550) |
| Lid                                | PA / PPO                   |
| Media optimized                    | Yes                        |



**Made in Germany**

All specifications are subject to change without notice. (26.05.2011)