



## Capacitive Sensors

Series 70 - NPN

Series 80 - PNP



Housing M 12 x 1

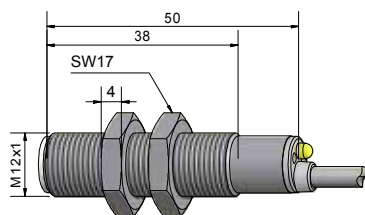
- Housing material: Stainless steel VA
- Sensing distance 0...6 mm adjustable

Certificate:

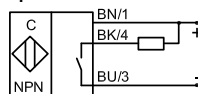


| Technical data                                    | Flush mountable                           | Flush mountable                           |
|---------------------------------------------------|-------------------------------------------|-------------------------------------------|
| Operating distance $S_n$                          | 2 mm                                      | 2 mm                                      |
| Operating distance min. / max. adjustable         | 0...6 mm                                  | 0...6 mm                                  |
| Electrical version                                | 3-wire DC                                 | 4-wire DC                                 |
| Output function                                   | Normally open                             | Antivalent                                |
| <b>Type NPN</b>                                   | <b>KAS-70-A12-A-M12-PTFE/VAb-Z02-1-HP</b> |                                           |
| <b>Art.-No.</b>                                   | <b>700 150</b>                            |                                           |
| Connection diagram No.                            | 3                                         |                                           |
| <b>Type PNP</b>                                   | <b>KAS-80-A12-S-M12-PTFE/VAb-Z02-1-HP</b> | <b>KAS-80-A12-A-M12-PTFE/VAb-Z02-1-HP</b> |
| <b>Art.-No.</b>                                   | <b>800 200</b>                            | <b>800 150</b>                            |
| Connection diagram No.                            | 4                                         | 6                                         |
| Operating voltage ( $U_B$ )                       | 10...35 V DC                              | 10...35 V DC                              |
| Output current max. ( $I_o$ )                     | 250 mA                                    | 2 x 250 mA                                |
| Voltage drop max. ( $U_d$ )                       | ≤ 2.0 V                                   | ≤ 2.0 V                                   |
| Permitted residual ripple max.                    | 10 %                                      | 10 %                                      |
| No-load current ( $I_o$ )                         | Typ. 15 mA                                | Typ. 15 mA                                |
| Frequency of operating cycles max.                | 500 Hz                                    | 500 Hz                                    |
| Permitted ambient temperature                     | -25...+70 °C                              | -25...+70 °C                              |
| LED-display                                       | Green / yellow                            | Green / yellow                            |
| Protective circuit                                | Built-in                                  | Built-in                                  |
| Degree of protection IEC 60529                    | IP 67*                                    | IP 67*                                    |
| Norm                                              | EN 60947-5-2                              | EN 60947-5-2                              |
| Connection cable                                  | 2 m, PUR, 3 x 0.14 mm <sup>2</sup>        | 2 m, PUR, 4 x 0.14 mm <sup>2</sup>        |
| Housing material                                  | VA No. 1.4305                             | VA No. 1.4305                             |
| Active surface                                    | PTFE (FDA 21 CFR 177.1550)                | PTFE (FDA 21 CFR 177.1550)                |
| Lid                                               | PA / PPO                                  | PA / PPO                                  |
| Media optimized                                   | Yes                                       | Yes                                       |
| <b>Accessories</b> (is delivered with the sensor) | 2 nuts M 12                               | 2 nuts M 12                               |

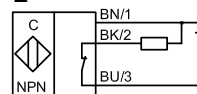
\* With sealed potentiometer screw



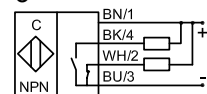
1



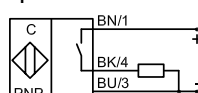
2



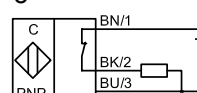
3



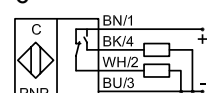
4



5



6



Made in Germany

All specifications are subject to change without notice. (01/2018)