



Capacitive Sensors

Series 70 - NPN

Series 80 - PNP



Housing M 12 x 1

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

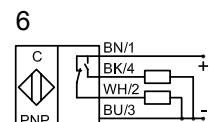
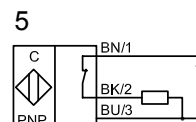
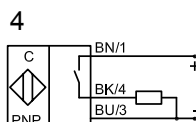
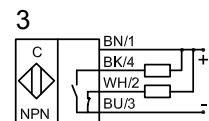
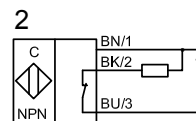
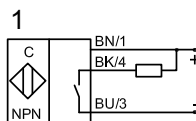
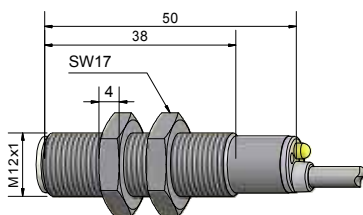
Certificate:



| 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 |
| Type NPN | | KAS-70-A12-A |
| Art.-No. | | 700 150 |
| Connection diagram No. | | 3 |
| Type PNP | KAS-80-A12-S | KAS-80-A12-A |
| Art.-No. | 800 200 | 800 150 |
| Connection diagram No. | 4 | 6 |
| Operating voltage (U_B) | 10...35 V DC | 10...35 V DC |
| Output current max. (I_e) | 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 ² | 2 m, PUR, 4 x 0.14 mm ² |
| 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 |
| Accessories (is delivered with the sensor) | 2 pieces nuts M 12 | 2 pieces nuts M 12 |

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

* With sealed potentiometer screw



Made in Germany