



Capacitive Sensors

Series 70 - NPN
Series 80 - PNP

Housing M 18 x 1

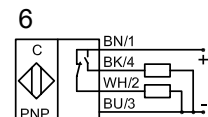
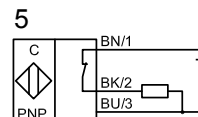
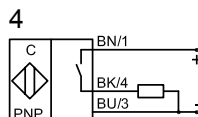
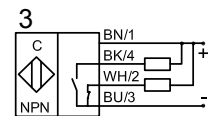
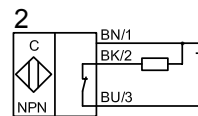
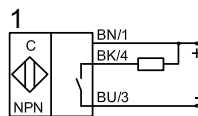
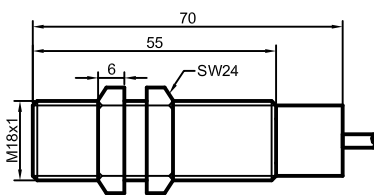
- Housing material: PA / PPO
- Sensing distance 1...8 mm adjustable

Certificate:



| Technical data | Flush mountable | Flush mountable |
|---|------------------------------------|------------------------------------|
| Operating distance S_n | 5 mm | 5 mm |
| Operating distance min. / max. adjustable | 1...8 mm | 1...8 mm |
| Electrical version | 3-wire DC | 4-wire DC |
| Output | Normally open (NO) | Antivalent |
| Type NPN | KAS-70-A13-S-K-NL | KAS-70-A13-A-K-NL |
| Art.-No. | KA 0648 | KA 0637 |
| Connection diagram No.. | 1 | 3 |
| Type PNP | KAS-80-A13-S-K-NL | KAS-80-A13-A-K-NL |
| Art.-No. | KA 0717 | KA 0680 |
| Connection diagram No. | 4 | 6 |
| Operating voltage (U_B) | 12...30 V DC | 12...30 V DC |
| Output current max. (I_o) | 200 mA | 2 x 200 mA |
| Voltage drop max. (U_d) | ≤ 2.0 V | ≤ 2.0 V |
| Permitted residual ripple max. | 5 % | 5 % |
| No-load current (I_o) | < 15 mA | < 15 mA |
| Frequency of operating cycles max. | 200 Hz | 200 Hz |
| Permitted ambient temperature | -25...+70 °C | -25...+70 °C |
| LED-display | Yellow | 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 | 2 m, PUR, 3 x 0.34 mm ² | 2 m, PVC, 4 x 0.34 mm ² |
| Housing material | PA / PPO | PA / PPO |
| Active surface | PA / PPO | PA / PPO |
| Lid | PA / PPO | PA / PPO |

All specifications are subject to change without notice. (01.02.2010)



Made in Germany