



Capacitive Sensors

Series 70 - NPN
Series 80 - PNP



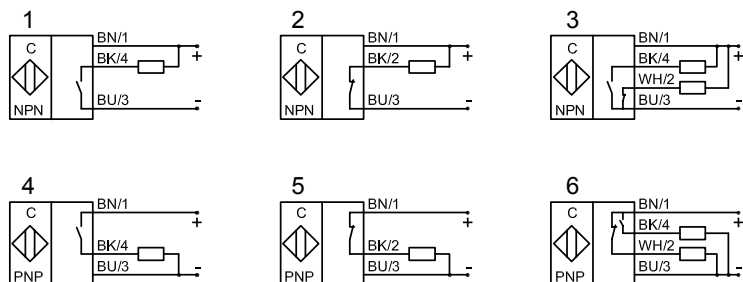
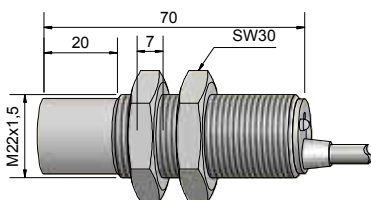
- Housing M 22 x 1.5
- Housing material: PA / PPO
 - Sensing distance 0.5...20 mm adjustable

Certificate:



| Technical data | Non-flush mountable | Non-flush mountable |
|---|------------------------------------|------------------------------------|
| Operating distance S_n | 12 mm | 12 mm |
| Operating distance min. / max. adjustable | 0.5...20 mm | 0.5...20 mm |
| Electrical version | 3-wire DC | 4-wire DC |
| Output function | Normally open | Antivalent |
| Type NPN | KAS-70-23-S-M22 | |
| Art.-No. | 713 600 | |
| Connection diagram No. | 1 | |
| Type PNP | KAS-80-23-S-M22 | KAS-80-23-A-M22 |
| Art.-No. | 813 600 | 813 400 |
| 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_0) | Typ. 15 mA | Typ. 15 mA |
| Frequency of operating cycles max. | 50 Hz | 50 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 0.34 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 |
| Media optimized | Yes | Yes |
| Accessories (is delivered with the sensor) | 2 pieces nuts M 22 | 2 pieces nuts M 22 |

* With sealed potentiometer screw



Made in Germany

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