



Capacitive Sensors

Series 70 - NPN
Series 80 - PNP



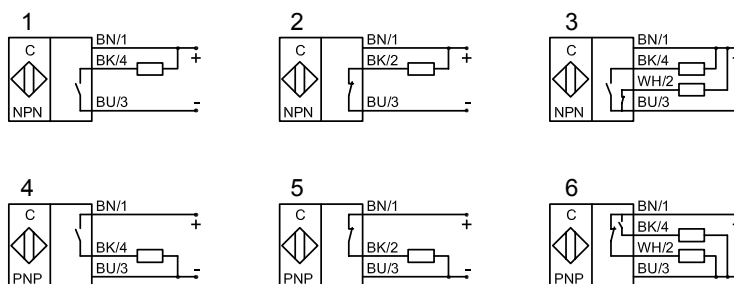
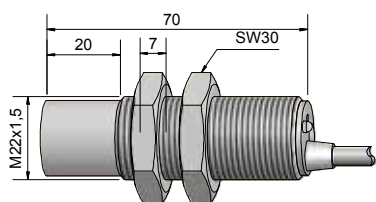
- Housing M 22 x 1.5
- Housing material: PA / PPO
 - Sensing distance 0.5...20 mm adjustable

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)