



## Capacitive Sensors

Series 70 - NPN  
Series 80 - PNP



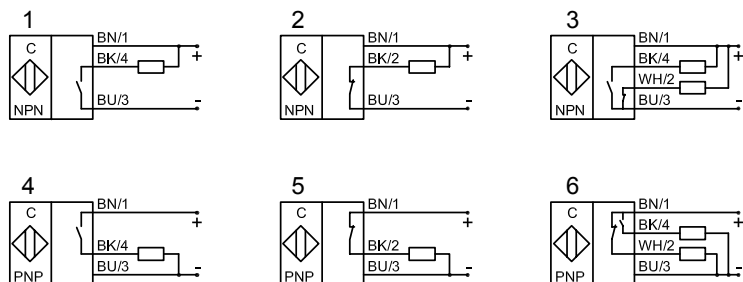
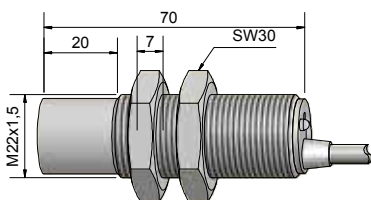
- Housing M 22 x 1.5
- Housing material: PA / PPO
  - Sensing distance 0.5...20 mm adjustable

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
<b>Type NPN</b>	<b>KAS-70-23-S-M22</b>	
<b>Art.-No.</b>	<b>713 600</b>	
Connection diagram No.	1	
<b>Type PNP</b>	<b>KAS-80-23-S-M22</b>	<b>KAS-80-23-A-M22</b>
<b>Art.-No.</b>	<b>813 600</b>	<b>813 400</b>
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 <sup>2</sup>	2 m, PVC, 4 x 0.34 mm <sup>2</sup>
Housing material	PA / PPO	PA / PPO
Active surface	PA / PPO	PA / PPO
Lid	PA / PPO	PA / PPO
Media optimized	Yes	Yes
<b>Accessories</b> (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)