



## Capacitive Sensors

Series 70 - NPN  
Series 80 - PNP



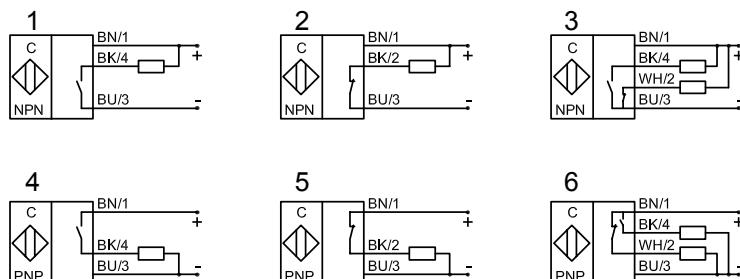
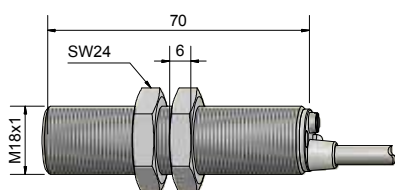
- Housing M 18 x 1
- Housing material: PA / PPO
  - Sensing distance 0.5...10 mm adjustable

Certificate:



Technical data	Flush mountable
Operating distance $S_n$	5 mm
Operating distance min. / max. adjustable	0.5...10 mm
Electrical version	4-wire DC
Output function	Antivalent
<b>Type NPN</b>	<b>KAS-70-A13-A-K</b>
<b>Art.-No.</b>	<b>701 000</b>
Connection diagram No.	3
<b>Type PNP</b>	<b>KAS-80-A13-A-K</b>
<b>Art.-No.</b>	<b>801 000</b>
Connection diagram No.	6
Operating voltage ( $U_B$ )	10...35 V DC
Output current max. ( $I_o$ )	2 x 250 mA
Voltage drop max. ( $U_d$ )	≤ 2.0 V
Permitted residual ripple max.	10 %
No-load current ( $I_o$ )	Typ. 15 mA
Frequency of operating cycles max.	300 Hz
Permitted ambient temperature	-25...+70 °C
LED-display	Green / yellow
Protective circuit	Built-in
Degree of protection IEC 60529	IP 67*
Norm	EN 60947-5-2
Connection cable	2 m PVC, 4 x 0.34 mm <sup>2</sup>
Housing material	PA / PPO
Active surface	PA / PPO
Lid	PA / PPO
Media optimized	Yes
<b>Accessories</b> (is delivered with the sensor)	<b>2 pieces nuts M 18</b>

\* With sealed potentiometer screw



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