



**Capacitive Sensors**  
**Series 70 - NPN**  
**Series 80 - PNP**



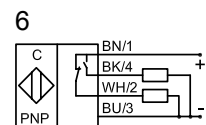
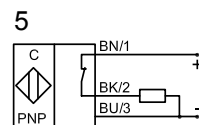
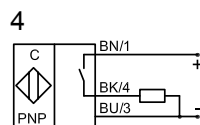
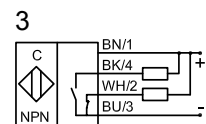
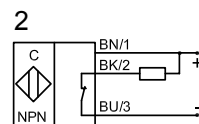
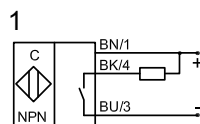
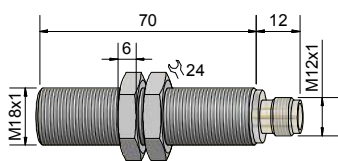
- Housing M 18 x 1
- Housing material: PA / PPO
  - Sensing distance 1...8 mm adjustable
  - With flange connector M 12 x 1

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-pin DC	4-pin DC
Output	Normally open (NO)	Antivalent (NO + NC)
<b>Type NPN</b>	<b>KAS-70-A13-S-K-Y3-NL</b>	<b>KAS-70-A13-A-K-Y3-NL</b>
<b>Art.-No.</b>	<b>KA 0609</b>	<b>KA 1096</b>
Connection diagram No.	1	3
<b>Type PNP</b>		<b>KAS-80-A13-A-K-Y3-NL</b>
<b>Art.-No.</b>		<b>KA 0607</b>
Connection diagram No.		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	Flange connector M 12 x 1	Flange connector M 12 x 1
Housing material	PA / PPO	PA / PPO
Active surface	PA / PPO	PA / PPO
Lid	-	-

All specifications are subject to change without notice. (05.08.2011)



**Made in Germany**