



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



Housing M 18 x 1

- Housing material: Brass
- Sensing distance 0.5...10 mm adjustable
- With flange connector M 12 x 1

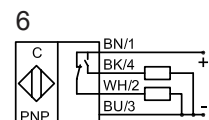
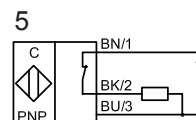
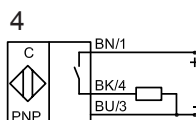
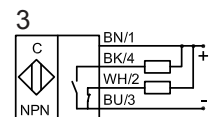
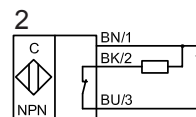
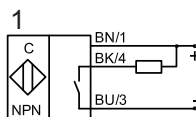
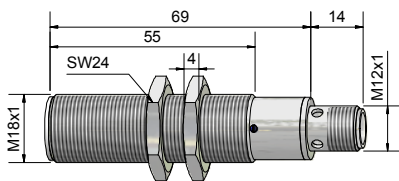
Certificate:



**Technical data**

	Flush mountable
Operating distance $S_n$	5 mm
Operating distance min. / max. adjustable	0.5...10 mm
Electrical version	4-pin DC
Output function	Antivalent (NO + NC)
<b>Type NPN</b>	<b>KAS-70-A13-A-Y5</b>
<b>Art.-No.</b>	<b>701 981</b>
Connection diagram No.	3
<b>Type PNP</b>	<b>KAS-80-A13-A-Y5</b>
<b>Art.-No.</b>	<b>801 981</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	Yellow
Protective circuit	Built-in
Degree of protection IEC 60529	IP 67*
Norm	EN 60947-5-2
Connection	Flange connector M 12 x 1
Housing material	Brass
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	-
Media optimized	Yes

\* With sealed potentiometer screw



All specifications are subject to change without notice. (07/2011)