



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



Housing M 30 x 1,5

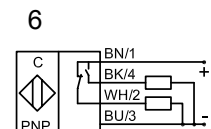
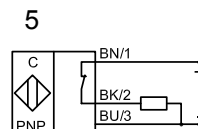
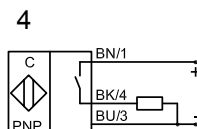
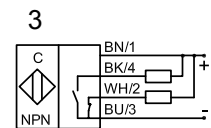
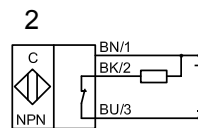
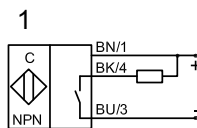
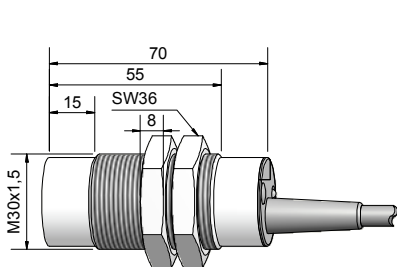
- Housing material: PTFE
- Ideal for detection of chemically aggressive media
- Suitable for food applications
- Sensing distance 1...30 mm adjustable
- Option: Total chemical resistance is given when ordering the sensor with PTFE cable and PTFE-protection set Art.-No. 196302.

Certificate:



Technical data	Non-flush mountable
Operating distance $S_n$	15 mm
Operating distance min. / max. adjustable	1...30 mm
Electrical version	4-wire DC
Output function	Antivalent (NO + NC)
<b>Type NPN</b>	<b>KAS-70-A24-A-K-PTFE</b>
<b>Art.-No.</b>	<b>708 401</b>
Connection diagram No.	3
<b>Type PNP</b>	<b>KAS-80-A24-A-K-PTFE</b>
<b>Art.-No.</b>	<b>808 401</b>
Connection diagram No.	6
Operating voltage ( $U_B$ )	10...35 V DC
Output current max. ( $I_a$ )	2 x 250 mA
Voltage drop max. ( $U_a$ )	≤ 2.0 V
Permitted residual ripple max.	10 %
No-load current ( $I_o$ )	Typ. 15 mA
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-25...+70 °C
LED-display	Green / yellow
Protective circuit	Built-in
Degree of protection IEC 529	IP 67
Norm	EN 60947-5-2
Connection cable	2 m, PVC, 4 x 0.50 mm <sup>2</sup>
Housing material	PTFE (FDA 21 CFR 177.1550)
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PA / PPO
Media optimized	Yes

All specifications are subject to change without notice. (31.01.2012)



**Made in Germany**