



## Capacitive Sensors

### Series 80 - PNP

Housing G1"

- Housing material: PTFE
- Ideal for detection of chemically aggressive media
- Suitable for food applications
- Sensing distance 1...40 mm adjustable



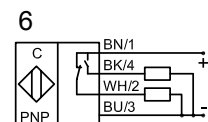
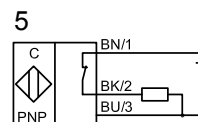
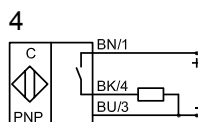
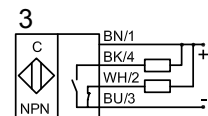
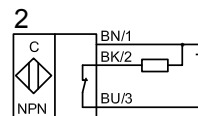
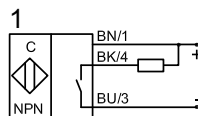
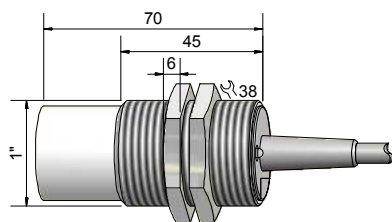
Certificate:



#### Technical data

Operating distance $S_n$	25 mm	Non-flush mountable
Operating distance min. / max. adjustable	1...40 mm	
Electrical version	4-wire DC	
Output	Antivalent (NO + NC)	
<b>Type NPN</b>		
<b>Art.-No.</b>		
Connection diagram No.		
<b>Type PNP</b>		
<b>KAS-80-35-A-1"-PTFE</b>		
<b>Art.-No.</b>		
<b>819 150</b>		
Connection diagram No.		
6		
Operating voltage ( $U_B$ )	10...35 V DC	
Output current max. ( $I_o$ )	250 mA	
Voltage drop max. ( $U_o$ )	≤ 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 60529	IP 67	
Norm	EN 60947-5-2	
Connection	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. (12.10.2012)



**Made in Germany**