



## Capacitive Sensors Series 70 - NPN

Housing M 18 x 1

- Housing material PTFE
- Ideal for detection of chemically aggressive media
- Ideal for use in food applications
- Sensing distance 0.5...10 mm adjustable
- Option: Total chemical resistance is given when ordering the sensor with PTFE - protection set Art.-No. 196305

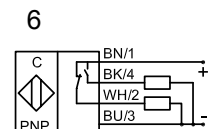
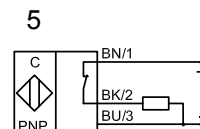
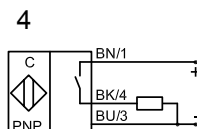
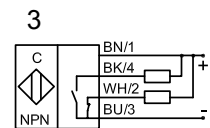
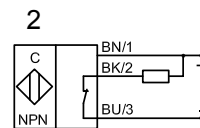
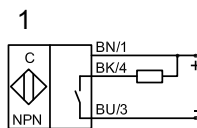
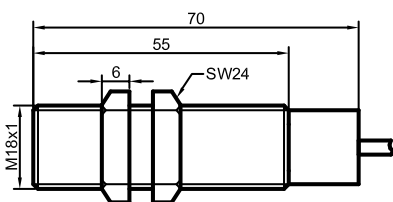
Certificate:



QuattroEtcProtect™

<b>Technical data</b>	Flush mountable
Operating distance $S_n$	5 mm
Operating distance min. / max. adjustable	0.5...10 mm
Electrical version	4-wire DC
Output	Antivalent (NO + NC)
<b>Type NPN</b>	<b>KAS-70-A13-A-K-PTFE</b>
<b>Art.-No.</b>	<b>KA 0385</b>
Connection diagram No.	3
<b>Type PNP</b>	
<b>Art.-No.</b>	
Connection diagram No.	
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, PTFE, 4 x 0.22 mm <sup>2</sup>
Housing material	PTFE (FDA 21 CFR 177.1550)
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PTFE (FDA 21 CFR 177.1550)
Media optimized	Yes

All specifications are subject to change without notice. (08.03.2010)



**Made in Germany**