



## Capacitive Sensors

Series 70 - NPN  
Series 80 - PNP

Housing M 32 x 1.5

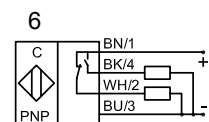
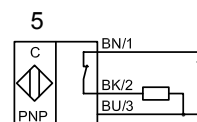
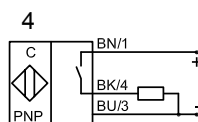
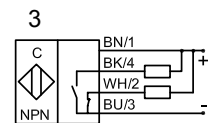
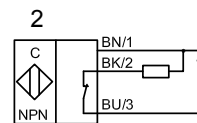
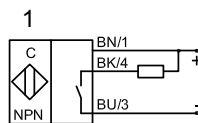
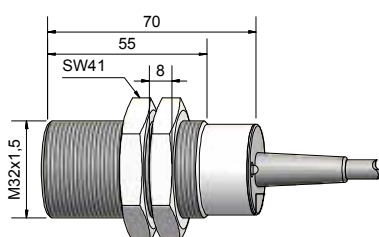
- Housing material: PTFE
- Useable for an ambient temperature up to +100 °C
- Sensing distance 0.5...30 mm adjustable
- Ideal for detection of chemically aggressive media
- Suitable for food applications

Certificate:



Technical data	Flush mountable
Operating distance $S_n$	20 mm
Operating distance min. / max. adjustable	0.5...30 mm
Electrical version	4-wire DC
Output function	Antivalent
<b>Type NPN</b>	<b>KAS-70-30-A-M32-PTFE-100°C</b>
<b>Art.-No.</b>	<b>715 831</b>
Connection diagram No.	3
<b>Type PNP</b>	<b>KAS-80-30-A-M32-PTFE-100°C</b>
<b>Art.-No.</b>	<b>815 831</b>
Connection diagram No.	6
Operating voltage ( $U_b$ )	10...35 V DC
Output current max. ( $I_e$ )	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.	200 Hz
Permitted ambient temperature	-25...+100 °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, PVC, 4 x 0.5 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
<b>Accessories</b> (is delivered with the unit)	2 pieces nuts M 32

\* With sealed potentiometer screw



Made in Germany

All specifications are subject to change without notice. (06/2014)