



Capacitive Sensors

Series 80 - PNP



Housing M 32 x 1.5

- Housing material: PTFE
- Ideal for detection of chemically aggressive media
- Ideal for use in food applications
- Sensing distance 0.5...30 mm adjustable
- Option: Total chemical resistance is given when ordering the sensor with PTFE cable and PTFE - protection set Art.-No. 196301 (not supplied with the sensor)

Certificate:



Technical data

	Flush mountable	Flush mountable
Operating distance S_n	20 mm	20 mm
Operating distance min. / max. adjustable	0.5...30 mm	0.5...30 mm
Electrical version	3-wire DC	3-wire DC
Output	Normally open (NO)	Normally closed (NC)

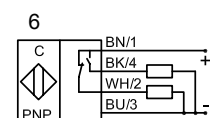
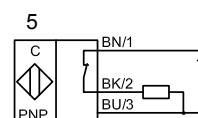
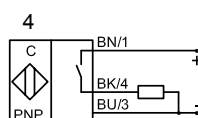
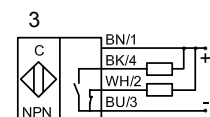
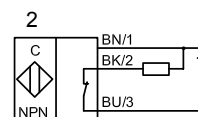
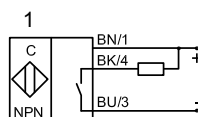
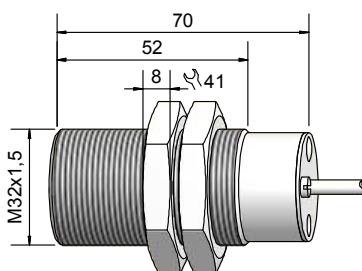
Type NPN

Art.-No.

Connection diagram No.

Type PNP	KAS-80-30-S-K-M32-PTFE	KAS-80-30-Ö-K-M32-PTFE
Art.-No.	KA 0012	KA 0004
Connection diagram No.	4	5
Operating voltage (U_B)	10...35 V DC	10...35 V DC
Output current max. (I_o)	250 mA	250 mA
Voltage drop max. (U_o)	≤ 2.0 V	≤ 2.0 V
Permitted residual ripple max.	10 %	10 %
No-load current (I_o)	Typ. 15 mA	Typ. 15 mA
Frequency of operating cycles max.	50 Hz	50 Hz
Permitted ambient temperature	-25...+70 °C	-25...+70 °C
LED-display	Green / yellow	Green / yellow
Protective circuit	Built-in	Built-in
Degree of protection IEC 60529	IP 67	IP 67
Norm	EN 60947-5-2	EN 60947-5-2
Connection cable	5 m, PTFE, 3 x 0.34 mm ²	5 m, PTFE, 3 x 0.34 mm ²
Housing material	PTFE (FDA 21 CFR 177.1550)	PTFE (FDA 21 CFR 177.1550)
Active surface	PTFE (FDA 21 CFR 177.1550)	PTFE (FDA 21 CFR 177.1550)
Lid	PTFE (FDA 21 CFR 177.1550)	PTFE (FDA 21 CFR 177.1550)
Media optimized	Yes	Yes

All specifications are subject to change without notice. (05.10.2012)



Made in Germany