



Capacitive Sensors Series 70 - NPN Series 80 - PNP



Housing Ø 22 mm

- Housing material: Brass
- Sensing distance 0.5...15 mm adjustable

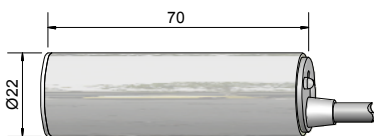
Certificate:



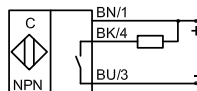
Technical data	Flush mountable	Flush mountable
Operating distance S_n	8 mm	8 mm
Operating distance min. / max. adjustable	0.5...15 mm	0.5...15 mm
Electrical version	3-wire DC	4-wire DC
Output function	Normally open (NO)	Antivalent (NO + NC)
Type NPN		KAS-70-20-A
Art.-No.		711 600
Connection diagram No.		3
Type PNP	KAS-80-20-S	KAS-80-20-A
Art.-No.	811 800	811 600
Connection diagram No.	4	6
Operating voltage (U_B)	10...35 V DC	10...35 V DC
Output current max. (I_o)	250 mA	2 x 250 mA
Voltage drop max. (U_d)	≤ 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.	300 Hz	300 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	2 m, PUR, 3 x 0.34 mm ²	2 m, PVC, 4 x 0.34 mm ²
Housing material	Brass	Brass
Active surface	PTFE (FDA 21 CFR 177.1550)	PTFE (FDA 21 CFR 177.1550)
Lid	PA / PPO	PA / PPO
Media optimized	Yes	Yes

All specifications are subject to change without notice. (07/2011)

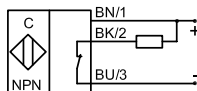
* With sealed potentiometer screw



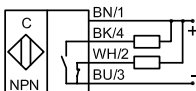
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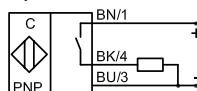
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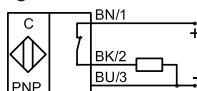
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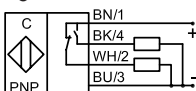
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Made in Germany