



Capacitive Sensors

Series 80 - PNP

Housing $\varnothing = 22$ mm

- Housing material: Brass
- Sensing distance 0.5...15 mm adjustable
- With flange connector M 12 x 1

Certificate:



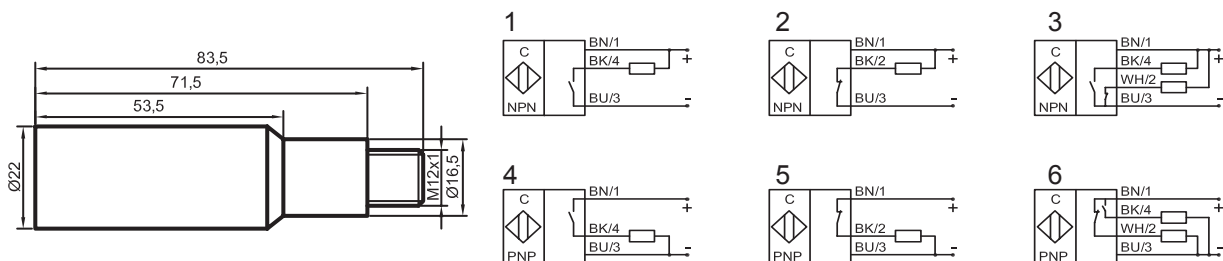
Technical data	Flush mountable	Flush mountable
Operating distance S_n	8 mm	8 mm
Operating distance min. / max. adjustable	0.5...15 mm	0.5...15 mm
Electrical version	3-pin DC	4-pin DC
Output	Normally closed	Antivalent (NO + NC)

Type NPN

Art.-No.

Connection diagram No..

Type PNP	KAS-80-20-S-Y3	KAS-80-20-A-Y3
Art.-No.	811 820	KA 0104
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
Load current min.	-	-
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.	100 Hz	100 Hz
Permitted ambient temperature	-25...+70 °C	-25...+70 °C
LED-display	Yellow	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	Flange connector M 12 x 1	Flange connector M 12 x 1
Housing material	Brass	Brass
Active surface	PTFE (FDA 21 CFR 177.1550)	PTFE (FDA 21 CFR 177.1550)
Lid	PA / PPO	PA / PPO



Made in Germany

All specifications are subject to change without notice. (23.09.2009)