



## Capacitive Sensors

### Series 80 - PNP

Housing M 12 x 1

- Housing material PTFE
- Sensing distance 2 mm fix adjusted
- With fixed sealing set

Certificate:



#### Technical data

	Non-flush mountable	Non-flush mountable
Operating distance $S_n$	2 mm $\pm$ 10 %	2 mm $\pm$ 10 %
Electrical version	3-wire DC	3-wire DC
Output function	Normally open (NO)	Normally closed (NC)

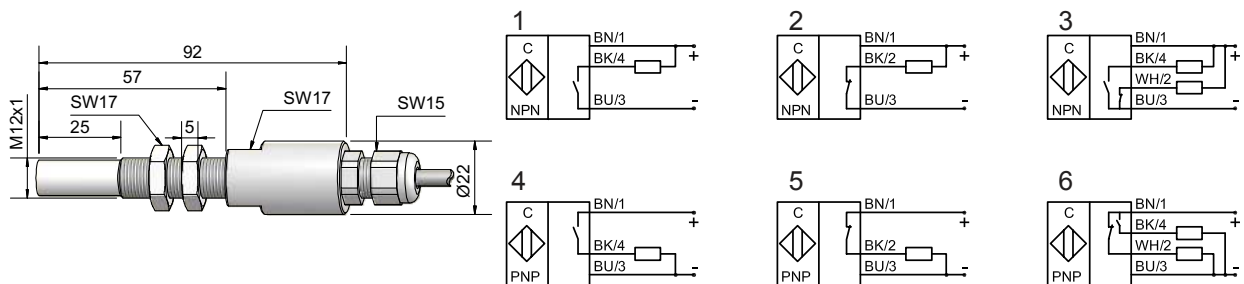
#### Type NPN

##### Art.-No.

Connection diagram No.

Type PNP	KAS-80-14-S-M12-PTFE	KAS-80-14-Ö-M12-PTFE
Art.-No.	KA 0314	KA 0811
Connection diagram No.	4	5
Operating voltage ( $U_B$ )	12...30 V DC	12...30 V DC
Output current max. ( $I_o$ )	200 mA	200 mA
Voltage drop max. ( $U_d$ )	$\leq$ 2.0 V	$\leq$ 2.0 V
Permitted residual ripple max.	5 %	5 %
No-load current ( $I_o$ )	< 15 mA	< 15 mA
Frequency of operating cycles max.	50 Hz	50 Hz
Permitted ambient temperature	-25...+70 °C	-25...+70 °C
LED-display	-	-
Protective circuit	Built-in	Built-in
Degree of protection IEC 60529	IP 68	IP 68
Norm	EN 60947-5-2	EN 60947-5-2
Connection cable	12 m, PVC, 3 x 0.34 mm <sup>2</sup>	12 m, PVC, 3 x 0.34 mm <sup>2</sup>
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	-	-

All specifications are subject to change without notice. (18.03.2010)



**Made in Germany**