



## Capacitive Sensors

### Series 80 - PNP

Housing M 12 x 1

- Housing material: PTFE
- Ideal for detection of chemically aggressive media
- Suitable for food applications
- Sensing distance 0,5...25 mm adjustable
- $\text{Ex}$  II 3G EEx nA II T6 X
- For use in zone 2



Certificate:



Quattro<sup>ETC</sup>Protect™

#### Technical data

Non-flush mountable

Operating distance $S_n$	4 mm
Operating distance min. / max. adjustable	0.5...10 mm
Electrical version	4-wire DC
Output function	Antivalent (NO + NC)

#### Type NPN

Art.-No.

Connection diagram No.

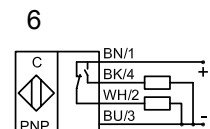
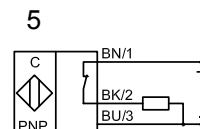
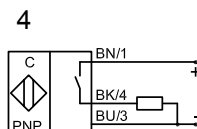
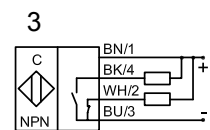
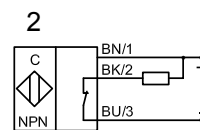
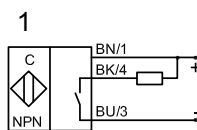
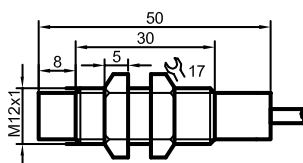
#### Type PNP

KAS-80-A22-A-K-PTFE-3G

Art.-No.

KA 0466

Connection diagram No.	6
Operating voltage ( $U_B$ )	10...35 V DC
Output current max. ( $I_o$ )	2 x 250 mA
Voltage drop max. ( $U_d$ )	$\leq 2.0$ V
Permitted residual ripple max.	10 %
No-load current ( $I_o$ )	Typ. 15 mA
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-25...+70 °C
LED-display	Green / yellow
Protective circuit	Built-in
Degree of protection IEC 529	IP 67
Norm	EN 60947-5-2
Connection	5 m, PUR, 4 x 0.14 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



**Made in Germany**

All specifications are subject to change without notice. (23.03.2010)