



## 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...10 mm adjustable
- Useable for an ambient temperature up to +100 °C
- With flange connector M 12 x 1



Certificate:



QuattroEtcProtect™

#### Technical data

Non-flush mountable

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

#### Type NPN

Art.-No.

Connection diagram No.

#### Type PNP

**KAS-80-A22-A-K-PTFE-Y5-100°C**

Art.-No.

**KA 1003**

Connection diagram No.

6

Operating voltage ( $U_B$ )

10...35 V DC

Output current max. ( $I_o$ )

2 x 250 mA

Voltage drop max. ( $U_d$ )

≤ 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...+100 °C

LED-display

Yellow

Protective circuit

Built-in

Degree of protection IEC 529

IP 67

Norm

EN 60947-5-2

Connection

Flange connector M 12 x 1

Housing material

PTFE (FDA 21 CFR 177.1550)

Active surface

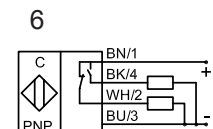
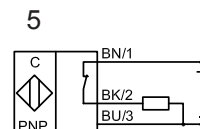
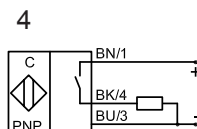
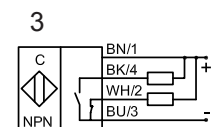
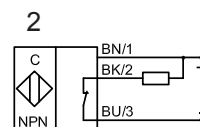
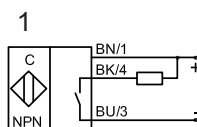
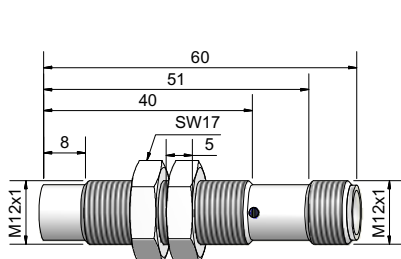
PTFE (FDA 21 CFR 177.1550)

Lid

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Media optimized

Yes



**Made in Germany**

All specifications are subject to change without notice. (22.07.2010)