



## Capacitive Sensors

### Series 80 - PNP



Housing M 32 x 1.5

- Housing material: PTFE
- Ideal for detection of chemically aggressive media
- Ideal for use in food applications
- Sensing distance 0.5...30 mm adjustable
- Option: Total chemical resistance is given when ordering the sensor with PTFE cable and PTFE - protection set Art.-No. 196301 (not supplied with the sensor)

Certificate:



#### Technical data

	Flush mountable	Flush mountable
Operating distance $S_n$	20 mm	20 mm
Operating distance min. / max. adjustable	0.5...30 mm	0.5...30 mm
Electrical version	3-wire DC	3-wire DC
Output	Normally open (NO)	Normally closed (NC)

#### Type NPN

Art.-No.

Connection diagram No.

#### Type PNP

KAS-80-30-S-K-M32-PTFE

KAS-80-30-Ö-K-M32-PTFE

Art.-No.

KA 0012

KA 0004

Connection diagram No.

4

5

Operating voltage ( $U_B$ )

10...35 V DC

10...35 V DC

Output current max. ( $I_o$ )

250 mA

250 mA

Voltage drop max. ( $U_o$ )

≤ 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.

50 Hz

50 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

5 m, PTFE, 3 x 0.34 mm<sup>2</sup>

5 m, PTFE, 3 x 0.34 mm<sup>2</sup>

Housing material

PTFE (FDA 21 CFR 177.1550)

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Active surface

PTFE (FDA 21 CFR 177.1550)

PTFE (FDA 21 CFR 177.1550)

Lid

PTFE (FDA 21 CFR 177.1550)

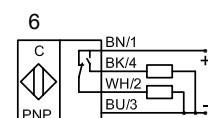
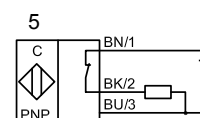
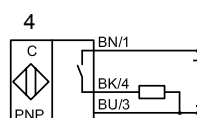
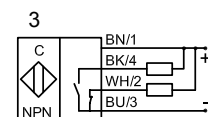
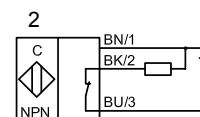
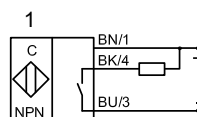
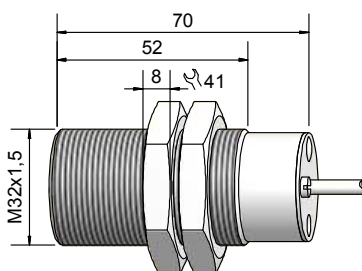
PTFE (FDA 21 CFR 177.1550)

Media optimized

Yes

Yes

All specifications are subject to change without notice. (05.10.2012)



**Made in Germany**