



## Capacitive Sensors

### Series 80 - PNP

Housing  $\varnothing = 20$  mm

- Housing material: Brass
- Sensing distance 0.5...15 mm adjustable

Certificate:



#### Technical data

Flush mountable

Operating distance  $S_n$  8 mm

Operating distance min. / max. adjustable 0.5...15 mm

Electrical version 3-wire DC

Output Normally closed

#### Type NPN

Art.-No.

Connection diagram No.

#### Type PNP

**KAS-80-20-S, D 20 mm**

Art.-No. **811 815**

Connection diagram No. 4

Operating voltage ( $U_B$ ) 10...35 V DC

Output current max. ( $I_o$ ) 250 mA

Load current min. -

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. 100 Hz

Permitted ambient temperature -25...+70 °C

LED-display Green / yellow

Protective circuit Built-in

Degree of protection IEC 60529 IP 67

Norm EN 60947-5-2

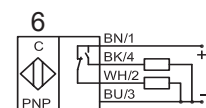
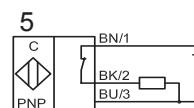
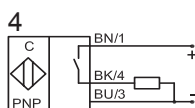
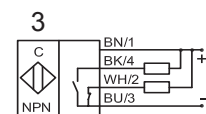
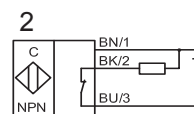
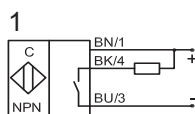
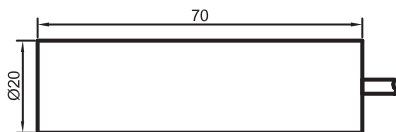
Connection cable 2 m, PUR, 3 x 0.34 mm<sup>2</sup>

Housing material Brass

Active surface PVC

Lid PA / PPO

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



**Made in Germany**