



## Capacitive Sensors

### Series 80 - PNP

Housing M 30 x 1.5

- Housing material: Stainless steel VA
- Sensing distance 1...30 mm adjustable
- With flange connector M 12 x 1

Certificate:

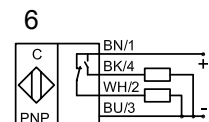
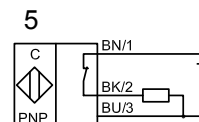
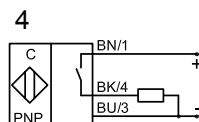
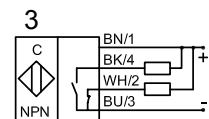
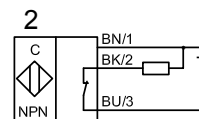
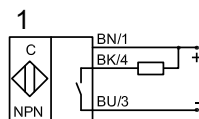
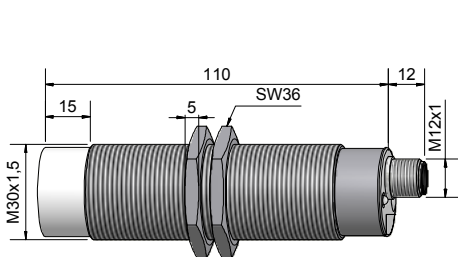


Quattro<sup>Exc</sup>Protect™

#### Technical data

Operating distance $S_n$	15 mm	Non-flush mountable
Operating distance min. / max. adjustable	1...30 mm	
Electrical version	4-pin DC	
Output	Antivalent (NO + NC)	
<b>Type NPN</b>		
<b>Art.-No.</b>		
Connection diagram No.		
<b>Type PNP</b>		
<b>Art.-No.</b>		
Connection diagram No.		
<b>KAS-80-A24/110-A-PTFE/VA-Y5</b>		
<b>KA 0361</b>		
Operating voltage ( $U_B$ )	10...35 V DC	
Output current max. ( $I_o$ )	2 x 250 mA	
Voltage drop max. ( $U_o$ )	≤ 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 60529	IP 67	
Norm	EN 60947-5-2	
Connection	Flange connector M 12 x 1	
Housing material	VA No. 1.4305	
Active surface	PTFE (FDA 21 CFR 177.1550)	
Lid	PA / PPO	
Media optimized	Yes	

All specifications are subject to change without notice. (05.01.2011)



**Made in Germany**