



## Capacitive Sensors

Series 70 - NPN

Series 80 - PNP



Housing M 12 x 1

- Housing material: Stainless steel VA
- Sensing distance 0...6 mm adjustable

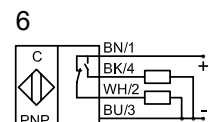
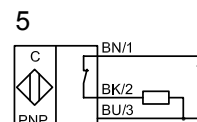
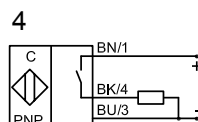
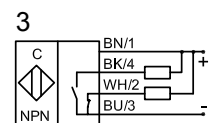
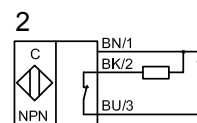
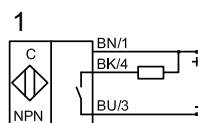
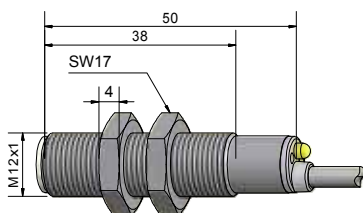
Certificate:



Technical data	Flush mountable	Flush mountable
Operating distance $S_n$	2 mm	2 mm
Operating distance min. / max. adjustable	0...6 mm	0...6 mm
Electrical version	3-wire DC	4-wire DC
Output function	Normally open	Antivalent
<b>Type NPN</b>		<b>KAS-70-A12-A</b>
<b>Art.-No.</b>		<b>700 150</b>
Connection diagram No.		3
<b>Type PNP</b>	<b>KAS-80-A12-S</b>	<b>KAS-80-A12-A</b>
<b>Art.-No.</b>	<b>800 200</b>	<b>800 150</b>
Connection diagram No.	4	6
Operating voltage ( $U_B$ )	10...35 V DC	10...35 V DC
Output current max. ( $I_e$ )	250 mA	2 x 250 mA
Voltage drop max. ( $U_d$ )	$\leq 2.0$ V	$\leq 2.0$ V
Permitted residual ripple max.	10 %	10 %
No-load current ( $I_o$ )	Typ. 15 mA	Typ. 15 mA
Frequency of operating cycles max.	500 Hz	500 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	2 m, PUR, 3 x 0.14 mm <sup>2</sup>	2 m, PUR, 4 x 0.14 mm <sup>2</sup>
Housing material	VA No. 1.4305	VA No. 1.4305
Active surface	PTFE (FDA 21 CFR 177.1550)	PTFE (FDA 21 CFR 177.1550)
Lid	PA / PPO	PA / PPO
Media optimized	Yes	Yes
<b>Accessories</b> (is delivered with the sensor)	2 pieces nuts M 12	2 pieces nuts M 12

All specifications are subject to change without notice. (06/2014)

\* With sealed potentiometer screw



Made in Germany