



**Capacitive Sensors**  
**Series 70 - NPN**  
**Series 80 - PNP**

Housing M 18 x 1

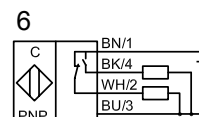
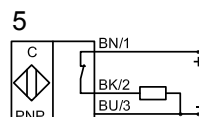
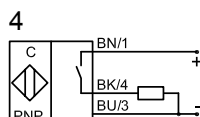
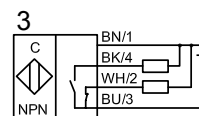
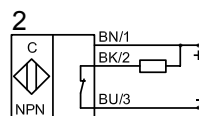
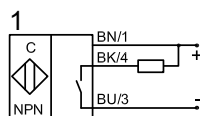
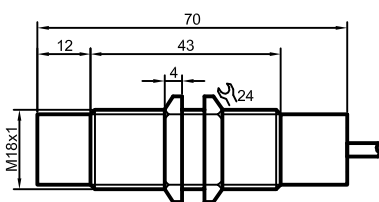
- Housing material: Brass
- Sensing distance 1...10 mm adjustable

Certificate:



<b>Technical data</b>	Non-flush mountable
Operating distance $S_n$	8 mm
Operating distance min. / max. adjustable	1...10 mm
Electrical version	4-wire DC
Output	Antivalent
<b>Type NPN</b>	<b>KAS-70-A23-A-PTFE/MS-NL</b>
<b>Art.-No.</b>	<b>KA 0437</b>
Connection diagram No..	3
<b>Type PNP</b>	<b>KAS-80-A23-A-PTFE/MS-NL</b>
<b>Art.-No.</b>	<b>KA 0725</b>
Connection diagram No.	6
Operating voltage ( $U_B$ )	12...30 V DC
Output current max. ( $I_o$ )	2 x 200 mA
Voltage drop max. ( $U_d$ )	≤ 2.0 V
Permitted residual ripple max.	5 %
No-load current ( $I_o$ )	< 15 mA
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-25...+70 °C
LED-display	Yellow
Protective circuit	Built-in
Degree of protection IEC 60529	IP 67
Norm	EN 60947-5-2
Connection	2 m, PVC, 4 x 0.34 mm <sup>2</sup>
Housing material	Brass
Active surface	PTFE
Lid	PA / PPO

All specifications are subject to change without notice. (29.01.2010)



**Made in Germany**