



## Capacitive Sensors

### Series 90 - AC / DC

Housing M 18 x 1

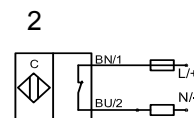
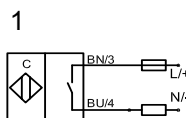
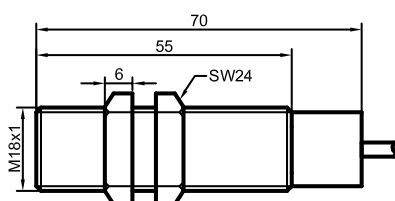
- Housing material: PA / PPO
- Sensing distance 1...8 mm adjustable

Certificate:



Technical data	Flush mountable	Flush mountable
Operating distance $S_n$	5 mm	5 mm
Operating distance min. / max. adjustable	1...8 mm	1...8 mm
Electrical version	2-wire AC / DC	2-wire AC / DC
Output	Normally open (NO)	Normally closed (NC)
<b>Type AC / DC</b>	<b>KAS-90-A13-S-NL</b>	<b>KAS-90-A13-Ö-NL</b>
<b>Art.-No.</b>	<b>KA 0634</b>	<b>KA 0724</b>
Connection diagram No.	1	2
Operating voltage ( $U_B$ )	20...250 V AC / DC	20...250 V AC / DC
Output current max. ( $I_o$ )	250 mA	250 mA
Load current min.	5 mA	5 mA
Voltage drop max. ( $U_d$ )	≤ 6,0 V	≤ 6,0 V
No-load current ( $I_o$ )	< 2.5 mA	< 2.5 mA
Frequency of operating cycles max.	25 Hz	25 Hz
Permitted ambient temperature	-25...+70 °C	-25...+70 °C
LED-display	Yellow	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	PUR 2 m, 2 x 0.34 mm <sup>2</sup>	PUR 2 m, 2 x 0.34 mm <sup>2</sup>
Housing material	PA / PPO	PA / PPO
Active surface	PA / PPO	PA / PPO
Lid	PA / PPO	PA / PPO

All specifications are subject to change without notice. (02.02.2010)



**Made in Germany**