



## Capacitive Sensors with Analogue Output Series 80 - PNP

**Output current** 4...20 mA / 20...4 mA  
**Voltage output** 0...10 V / 10...0 V

Housing M 18 x 1

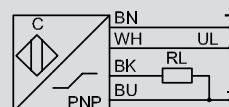
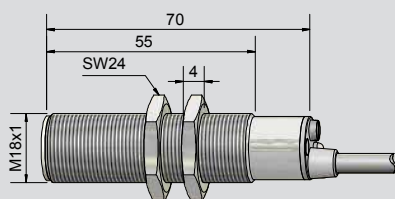
- Housing material: Brass
- Operating range 0...8 mm
- Current and voltage output in the same sensor.



Technical data	Flush mountable	Flush mountable
Operating range	0...8 mm	0...8 mm
Linear range	0...5 mm	0...5 mm
Electrical version	4-wire DC	4-wire DC
Output function	Analogue	Analogue
<b>Type Analogue</b>	<b>KAS-80-A13-IL20/UL10</b>	<b>KAS-80-A13-IL4/UL0</b>
<b>Art. No.</b>	<b>KA 1309</b>	<b>KA 1283</b>
Operating voltage ( $U_B$ )	15...30 V DC	15...30 V DC
Output signal	20...4 mA, 10...0 V	4...20 mA, 0...10 V
Permitted residual ripple max.	5 %	5 %
No-load current ( $I_0$ )	$\leq 40$ mA	$\leq 40$ mA
Output current active surface free	$\geq 20$ mA	$\leq 4$ mA
Output current active surface covered	$\leq 4$ mA	$\geq 20$ mA
Load resistor ( $R_L$ )	0...600 Ohm	0...600 Ohm
Permitted ambient temperature	0...+70 °C	0...+70 °C
LED-display	Yellow / green	Yellow / green
Protective circuit	Built-in	Built-in
Degree of protection IEC 60529	IP 67*	IP 67*
Norm	EN 60947-5-2, EN 60947-5-7**	EN 60947-5-2, EN 60947-5-7**
Connection	2 m, PVC, 4 x 0.34 mm <sup>2</sup>	2 m, PVC, 4 x 0.34 mm <sup>2</sup>
Housing material	Brass	Brass
Active surface	PTFE (FDA 21 CFR 177.1550)	PTFE (FDA 21 CFR 177.1550)
Lid	PA / PPO	PA / PPO

\* With sealed potentiometer screw

\*\* Where applicable



**Accessories**  
(is delivered with the unit)  
2 pieces nuts M 18

**Made in Germany**