

## 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...10 mm
- Current and voltage output in the same sensor.



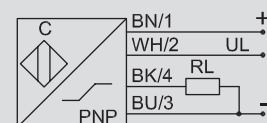
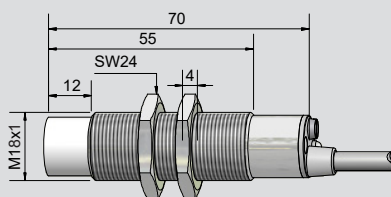
### Technical data

Non-flush mountable

Operating range	0...10 mm
Linear range	0...8 mm
Electrical version	4-wire DC
Output function	Analogue
<b>Type Analogue</b>	<b>KAS-80-A23-IL4/UL0-M18-PTFE/MS-Z02-1-HP</b>
<b>Art. No.</b>	<b>KA 1310</b>
Operating voltage ( $U_B$ )	15...30 V DC
Output signal	4...20 mA, 0...10 V
Permitted residual ripple max.	5 %
No-load current ( $I_o$ )	$\leq 40$ mA
Output current active surface free	$\leq 4$ mA
Output current active surface covered	$\geq 20$ mA
Load resistor ( $R_L$ )	0...600 Ohm
Permitted ambient temperature	0...+70 °C
LED-display	Yellow / green
Protective circuit	Built-in
Degree of protection IEC 60529	IP 67*
Norm	EN 60947-5-2, EN 60947-5-7**
Connection	2 m, PVC, 4 x 0.34 mm <sup>2</sup>
Housing material	Brass
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PA
<b>Accessories</b> (included in delivery)	2 nuts M 18 x 1

\* With sealed potentiometer screw

\*\* Where applicable



**Made in Germany**