



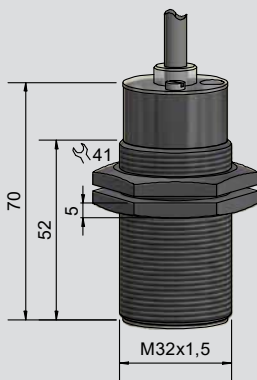
Capacitive Sensors

Series 80 - PNP

Article number: KA1316

Description: KAS-80-30-IL4/UL0-M32-PTFE/VAb-Z02-1

- Capacitive sensor for level and position control
- With analogue output current 4...20 mA, voltage output 0...10 V
- Housing: M 32 x 1.5
- Housing material: Stainless steel VA No. 1.4305 / AISI 303



Technical data

Mounting	Flush mountable
Operating range	0...30 mm
Linear range	0...20 mm
Sensitivity adjustment	Potentiometer
Output function	PNP, analogue
Operating voltage (U_B)	15...30 V DC
Output current (I_a)	$\geq 20 \text{ mA} \leq 4 \text{ mA}$
Voltage output (V_o)	$\geq 10 \text{ V} \leq 0.5 \text{ V}$
Voltage drop max. (U_d)	$\leq 2.0 \text{ V}$
Permitted residual ripple max.	5 %
No-load current (I_o)	$\leq 40 \text{ mA}$
Output current active surface free	$\leq 4 \text{ mA}$
Output current active surface covered	$\geq 20 \text{ mA}$
Load resistor (R_L)	0...600 Ohm
Permitted ambient temperature	0...+70 °C
LED-display	Green / yellow
Protective circuit	Built-in
Degree of protection IEC 60529	IP 67 (with sealed potentiometer screw)
Norm	EN 60947-5-2; EN 60947-5-7 (where applicable)
Connection	Cable, 2 m, PVC, 4 x 0.5 mm ²
Housing material	Stainless steel VA No. 1.4305 / AISI 303
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PC (FDA 21 CFR 177.1580)
Housing size / Process connection	M 32 x 1.5
Torque	On request
MTTF (average operating time until failure)	585.86 years
Accessories (included in delivery)	2 nuts M 32 x 1.5

Made in Germany

