



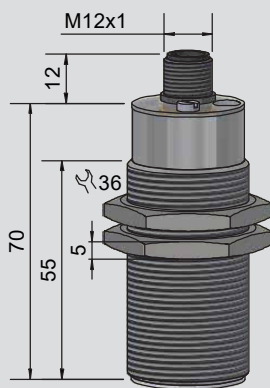
Capacitive sensors

Series 80 - PNP

Article number: 805400

Description: KAS-80-A14-A-M30-PTFE/VAb-Y5-1-HP

- Capacitive sensor for level and position control
- Housing: M 30 x 1.5
- Housing material: Stainless steel VA No. 1.4305 / AISI 303
- Sensing distance: 0.5...25 mm adjustable
- With flange connector M 12 x 1 (A-coded)



Technical data

Mounting	Flush mountable
Operating distance (S_n)	10 mm
Operating distance min. / max. adjustable	0.5...25 mm
Sensitivity adjustment	Potentiometer
Output function	PNP, Antivalent
Operating voltage (U_B)	10...35 V DC
Voltage drop max. (U_d)	≤ 2.0 V
Permitted residual ripple max.	10 %
Operating current (I_B)	2 x 0...250 mA
No-load current (I_0)	Typ. 15 mA
Frequency of operating cycles max.	200 Hz
Permitted ambient temperature	-25...+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
Connection	Flange connector M 12 x 1 (A-coded)
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 30 x 1.5
Torque	82 Nm
Media optimized	Yes
Quattro Protect	Yes
MTTF (average operating time until failure)	3928.69 Years
Accessories (included in delivery)	2 nuts M 30 x 1.5
Matching connectors (not delivered with the sensor)	# 193391 Female connector M 12 x 1, DC, 4 x 0.34 mm ² , 5 m, angled # 193392 Female connector M 12 x 1, DC, 4 x 0.34 mm ² , 5 m, straight

Made in Germany

