



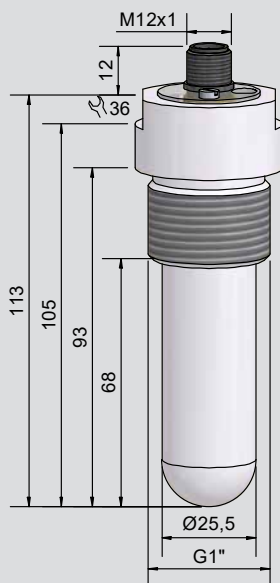
Capacitive Sensors

Series 80 - PNP

Article number: KA0642

Description: KAS-80-26/113-A-G1-PTFE-Y5-1-HP

- Capacitive Sensor with hemispherical active surface for level control of products with a dielectric constant ϵ_r as of 1,1. Products can be: Bulk material, like plastic granules, powder, etc. as well as liquids or pasty materials.
- Housing: G 1"
- Housing material: PTFE (FDA 21 CFR 177.1550)
- Special version with flange. Sealing can be made with a gasket or PTFE-tape (not delivered with the sensor)



Technical data

Mounting	Non-flush mountable
Operating distance (S_n)	Product-contacting / medium-dependent adjustable
Operating distance min. / max. adjustable	0...20 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 %
Output current max. (I_o)	2 x 0...250 mA
No-load current (I_o)	Typ. 15 mA
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-20...+70 °C, CIP / SIP 121°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	PTFE (FDA 21 CFR 177.1550)
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PC (FDA 21 CFR 177.1580)
Housing size / Process connection	G 1"
Media optimized	Yes
Quattro-Protect	Yes
MTTF (average operating time until failure)	1,199 years
Matching connectors (not included in delivery)	Female connector M 12 x 1, DC, 4 x 0.34 mm ² , 5 m, angled, # 193391 Female connector M 12 x 1, DC, 4 x 0.34 mm ² , 5 m, straight, # 193392
Made in Germany	

