



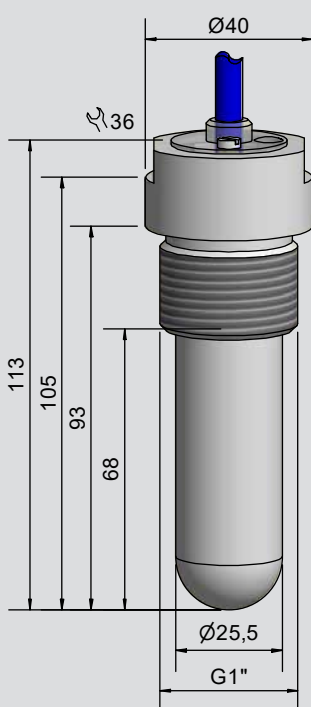
Capacitive Sensors

Series 40 - NAMUR EN 60947-5-6

Article number: KA0933

Description: KAS-40-26/113-N-G1-PTFE-Z02-1-1G-1D

- Capacitive sensor for level and position control
- For use in areas with the risk of gas explosion, Zone 0
- For use in areas with the risk of dust explosion, zone 20
- Housing material: PTFE (FDA compliant)
- Ideal for detection of chemically aggressive media
- Suitable for food and pharmaceutical applications
- Special version with flange. Sealing can be made with a gasket or PTFE-tape (not supplied with the sensor)



Technical data

Mounting	Non-flush mountable
Output function	NAMUR EN 60947-5-6
Operating distance S_n	Product-contacting / medium-dependent adjustable
Operating distance min. / max. adjustable	0...15 mm
Sensitivity adjustment	Potentiometer
Operating voltage (U_B)	5 - 15 V DC, $U_i = 15$ V DC
Output current active surface free	< typ. 1.5 mA
Output current active surface covered	> typ. 2.5 mA
Self-inductance (L)	0.2 mH
Self-capacitance (C)	250 nF
Permitted residual ripple max.	5 %
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	0...+70 °C/ CIP 121 °C (zero-current)
LED-display	Yellow
Degree of protection IEC 60529	IP 67 (with sealed potentiometer screw)
Connection	Cable, 2 m, PUR, 2 x 0.75 mm ²
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"
ATEX certificate	DMT 03 ATEX E 048X
ATEX Product marking Gas	Ex II 1G Ex ia IIC T1...T6 Ga
ATEX Product marking Dust	Ex II 1D Ex ia IIIC T ₂₀₀ 135°C Da
IECEx certificate	IECEx BVS 07.0031X
IECEx Product marking Gas	Ex ia IIC T1...T6 Ga
IECEx Product marking Dust	Ex ia IIIC T ₂₀₀ 135°C Da
UL / CSA certificate	Yes
MTTF (average operating time until failure)	760.32 years
Matching Ex barriers can be offered on request.	

Made in Germany

