



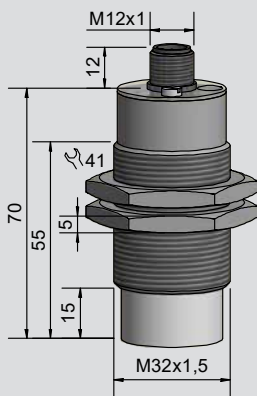
Capacitive Sensors

Series 40 - NAMUR EN 60947-5-6, ATEX

Article number: KA0871

Description: KAS-40-35-N-M32-PTFE/VAb-Y10-1-1G-1D

- Capacitive sensor for level and position control
- Housing: M 32 x 1.5
- Housing material: Stainless steel VA No. 1.4305 / AISI 303
- With flange connector M 12 x 1



Technical data

Mounting	Non-flush mountable
Operating distance (S_r)	15 mm
Operating distance min. / max. adjustable	3...20 mm
Sensitivity adjustment	Potentiometer
Output function	NAMUR EN 60947-5-6
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	-20...+70 °C
LED-display	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 32 x 1.5
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
MTTF (average operating time until failure)	1941.52 Years
Accessories (included in delivery)	2 nuts M 32 x 1.5, protective clip
Matching connectors (not delivered with the sensor)	Female connector M 12 x 1, DC, 3 x 0.34 mm ² , 5 m, angled, # 193390
Matching Ex barriers can be offered on request.	

Made in Germany

