



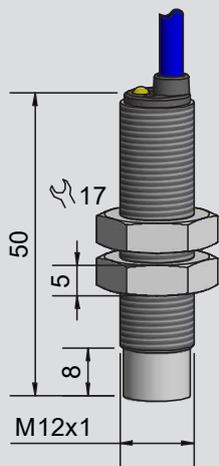
## Capacitive sensors

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

Article number KA0390

Description KAS-40-A22-N-M12-PTFE-100C-Z02-1-1G

- Capacitive sensor for level and position control
- For use in areas with the risk of gas explosion, zone 0
- Housing material: PTFE, FDA conform
- Ideal for detection of chemically aggressive media
- Suitable for food applications
- Useable for an ambient temperature up to +100 °C (not in a WHG application)



### Technical data

Mounting	Non-flush mountable
Operating distance $S_n$	4 mm
Operating distance min. / max. adjustable	1...6 mm
Sensitivity adjustment	Potentiometer
Output function	NAMUR DIN 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...+100 °C
Permitted ambient temperature (WHG)	-20...+70 °C
LED-display	Yellow
Degree of protection IEC 60529	IP 67 (with sealed potentiometer screw)
Connection	Cable, 2 m, PVC, 2 x 0.14 mm <sup>2</sup>
Housing material	PTFE (FDA 21 CFR 177.1550)
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PA
Housing size / Process connection	M 12 x 1
Torque	0.2 Nm
ATEX certificate	DMT 03 ATEX E 048X
ATEX Product marking Gas	Ex II 1G Ex ia Ex IIC T1...T6 Ga
IECEx certificate	BVS 07.0031X
IECEx Product marking Gas	Ex ia IIC T1...T6 Ga
KTL certificate	19-KA2BO-0077
KTL Product marking Gas	Ex ia IIC T6...T1
WHG certificate (German Federal Water Act)	Leakage Control, No. Z-65.40-573
MTTF (average operating time until failure)	1232.06 Years
Accessories (included in delivery)	2 nuts M 12 x 1

Matching Ex barriers can be offered on request.

Made in Germany

