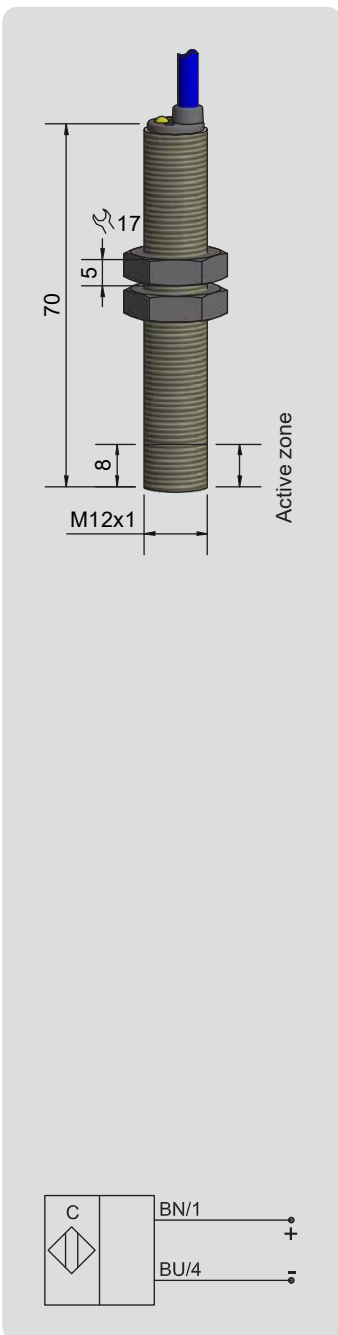


Capacitive sensors
Series 40 - NAMUR EN 60947-5-6
Article number KA1735
Description KAS-40-14-N-M12-PEEK-Z05-1-E-1G

- Capacitive sensor for level and position control
- For use in areas with the risk of gas explosion, Zone 0
- Housing material: PEEK, FDA conform
- SIL 2 according to IEC 61508 standard
- Non-flush mountable, sleeve with continuous thread
- Ideal for detection of chemically aggressive media
- Suitable for food and pharmaceutical applications



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...+70 °C
LED-display	Yellow
Degree of protection IEC 60529	IP 67 (with sealed potentiometer screw)
Connection	Cable, 5 m, PVC, 2 x 0.14 mm ²
Housing material	PEEK (FDA 21 CFR 177.2415)
Active surface	PEEK (FDA 21 CFR 177.2415)
Lid	PA
Housing size / Process connection	M 12 x 1
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
UL / CSA certificate	Yes
Safety Integrity Level (SIL)	SIL 2
MTTF (average operating time until failure)	1147.03 Years
Accessories (is delivered with the sensor)	2 nuts, PA, M 12 x 1
Matching Ex barriers can be offered on request.	

Made in Germany

All specifications are subject to change without notice. (31.01.2024)