



Capacitive Sensors Series 40 - NAMUR EN 60947-5-6

Housing M 12 x 1

- For use in areas with the risk of gas explosion, zone 0
- Housing material: PEEK
- Sensing distance 1...4 mm adjustable
- With fixed nut (brass)

DMT 03 ATEX E 048

IECEx BVS 07.0031

Ex II 1G Ex ia IIC T1-T6 Ga

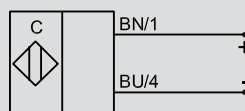
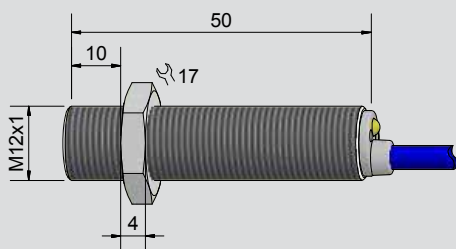
Ex ia IIC T1-T6 Ga



Technical data

Flush mountable

Operating distance S_n	2 mm
Operating distance min. / max. adjustable	1...4 mm
Electrical version	2-wire DC
Output function	NAMUR DIN 60947-5-6
Type	KAS-40-A12-N-K-PEEK
Art. No.	KA 1429
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	-25...+70 °C
LED-display	Yellow
Degree of protection IEC 60529	IP 67*
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	PTFE (FDA 21 CFR 177.1550)



Matching Ex barriers can be offered on request.

* With sealed potentiometer screw

Made in Germany