



## 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: Stainless steel VA
- Sensing distance 1...5 mm adjustable

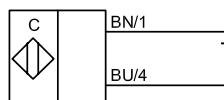
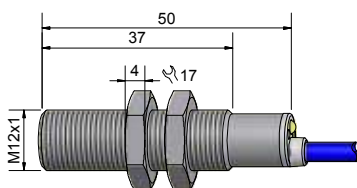
Certificate:

DMT 03 ATEX E 048	IECEX BVS 07.0031
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...5 mm
Electrical version	2-wire DC
Output	NAMUR DIN 60947-5-6
<b>Type</b>	<b>KAS-40-A12-N</b>
<b>Art. No.</b>	<b>KA 0018</b>
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. 3 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 <sup>2</sup>
Housing material	VA No. 1.4305
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PA / PPO
Media optimized	Yes



Made in Germany

All specifications are subject to change without notice. (01.02.2013)