



## Capacitive Sensors Serie 40 - NAMUR EN 60947-5-6



Housing M 18 x 1

- For use in areas with the risk of dust explosion, zone 20
- For use in areas with the risk of gas explosion, zone 0
- Housing material: PTFE
- Ideal for detection of chemically aggressive media
- Suitable for food applications
- Sensing distance 2...10 mm adjustable

Certificate:

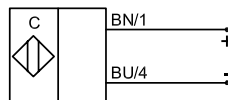
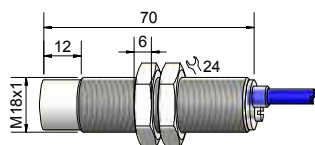


DMT 03 ATEX E 048	IECEX BVS 07.0031
Ex II 1G Ex ia IIC T1-T6 Ga	Ex ia IIC T1-T6 Ga
Ex II 1D Ex ia IIIC T101°C Da	Ex ia IIIC T101°C Da

### Technical data

Non-flush mountable

Operating distance $S_n$	8 mm
Operating distance min. / max. adjustable	2...10 mm
Electrical version	2-wire DC
Output	NAMUR DIN 60947-5-6
<b>Type</b>	<b>KAS-40-A23-N-K-PTFE-StEx</b>
<b>Art. No.</b>	<b>KA 0282</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. 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	2 m, PUR, 2 x 0.34 mm <sup>2</sup>
Housing material	PTFE (FDA 21 CFR 177.1550)
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PC (FDA 21 CFR 177.1580)
Media optimized	Yes



All specifications are subject to change without notice. (13.02.2013)

**Made in Germany**