



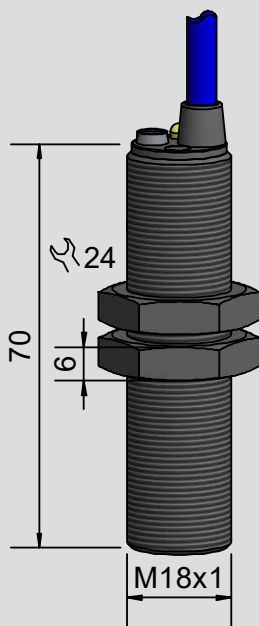
Capacitive Sensors

Series 40 - NAMUR EN 60947-5-6

Article number: KA0232

Description: KAS-40-A13-N-M18-PBT-Z05-1-1G

- Capacitive sensor for level and position control
- Housing M 18 x 1
- For use in areas with the risk of gas explosion, zone 0
- Sensing distance 1...8 mm adjustable



Technical data

Mounting	Flush mountable
Output function	NAMUR EN 60947-5-6
Operating distance (S_n)	5 mm
Operating distance min. / max. adjustable	1...8 mm
Sensitivity adjustment	Potentiometer
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 / PUR, 2 x 0,34 mm ²
Housing material	PBT
Active surface	PBT
Lid	PA
Housing size / Process connection	M 18 x 1
ATEX certificate	DMT 03 ATEX E 048X
ATEX Product marking Gas	Ex II 1G Ex ia IIC T1...T6 Ga
IECEx certificate	IECEx BVS 07.0031X
IECEx Product marking Gas	Ex ia IIC T1...T6 Ga
MTTF (average operating time until failure)	1134.55 years
Accessories (included in delivery)	2 nuts M 18 x 1
Matching Ex barriers can be offered on request.	

Made in Germany

