



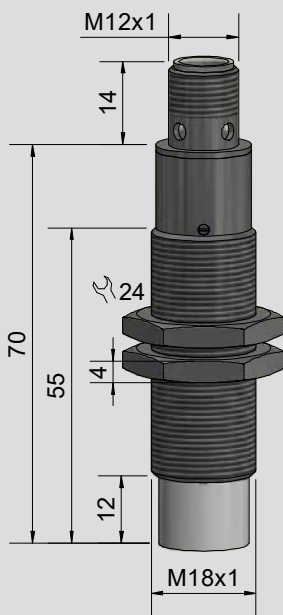
Capacitive Sensors

Series 80 - PNP

Article number: KA0527

Description: KAS-80-A23-A-M18-PTFE/VAb-Y5-1-HP-3G-3D

- Capacitive sensor for level and position control
- For use in areas with the risk of dust explosion, zone 22 (dust)
- For use in areas with the risk of gas explosion, zone 2 (gas)
- Sensing distance 0.5...15 mm adjustable
- With flange connector M 12 x 1



Technical data

Mounting	Non-flush mountable
Operating distance (S_n)	8 mm
Operating distance min. / max. adjustable	0.5...15 mm
Sensitivity adjustment	Potentiometer
Output function	PNP, antivalent
Operating voltage (U_B)	10...30 V DC
Output current max. (I_o)	2 x 150 mA
Voltage drop max. (U_d)	≤ 2.0 V
Permitted residual ripple max.	10 %
No-load current (I_o)	Typ. 15 mA
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-20...+70 °C
LED-display	Yellow
Protective circuit	Built-in
Degree of protection IEC 60529	IP 67 (with sealed potentiometer screw)
Norm	EN 60947-5-2
Connection	Flange connector M 12 x 1 (A-coded)
Housing material	Stainless steel VA No. 1.4305 / AISI 303
Active surface	PTFE (FDA 21 CFR 177.1550)
Housing size / Process connection	M 18 x 1
ATEX certificate	With manufacturer certificate
ATEX product marking gas	Ex II 3G Ex nA IIC T6 Gc X
ATEX product marking dust	Ex II 3D Ex mc IIIC T101°C Dc IP67 X
MTTF (average operating time until failure)	470.79 years
Accessories (included in delivery)	2 nuts M 18 x 1, Protective clip
Matching connectors (not delivered with the sensor)	Female connector M 12 x 1, DC, 4 x 0.34 mm ² , 5 m, angled, # 193391 Female connector M 12 x 1, DC, 4 x 0.34 mm ² , 5 m, straight, # 193392
	Made in Germany

