



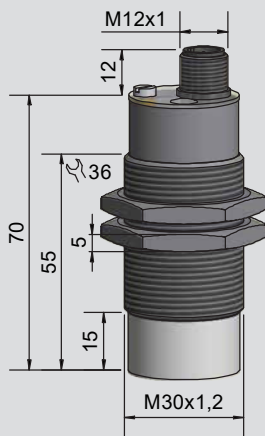
Capacitive sensors

Series 80 - PNP

Article number: KA0467

Description: KAS-80-A24-A-M30-PVC/VAb-Y3-1-NL-3G-3D

- Capacitive sensor for level and position control
- Housing M 30 x 1.5
- Sensing distance 2...25 mm adjustable
- For use in areas with the risk of dust explosion, zone 22
- For use in areas with the risk of gas explosion, zone 2
- Housing material: Stainless steel VA No. 1.4305 / AISI 303



Technical data

Mounting	Non-flush mountable
Operating distance (S_n)	20 mm
Operating distance min. / max. adjustable	2...25 mm
Sensitivity adjustment	Potentiometer
Output function	PNP, Antivalent
Operating voltage (U_B)	12...30 V DC
Voltage drop max. (U_d)	≤ 2.0 V
Permitted residual ripple max.	5 %
Operating current (I_B)	2 x 0...150 mA
No-load current (I_0)	Typ. 15 mA
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-25...+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	PVC
Lid	PA
Housing size / Process connection	M 30 x 1,5
ATEX certificate	With manufacturer certificate
ATEX Product marking Gas	Ex II 3G Ex nA II T6 Gc X
ATEX Product marking Dust	Ex II 3D Ex mc IIIC T101°C Dc IP67 X
MTTF (average operating time until failure in Years)	803.5 Years
Accessories (delivered with the sensor)	2 nuts M 30 x 1.5, protective clip
Made in Germany	

