



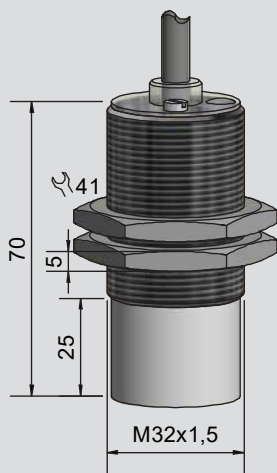
Capacitive sensors

Series 80 - PNP - ATEX

Article number KA1088

Description KAS-80-35-A-M32-PTFE/VAb-Z0E-MaG-2G-1/2D

- Capacitive sensor for level and position control
- For use in areas with the risk of gas explosion, zone 1
- For use in areas with the risk of dust explosion, zone 20
- Ideal for detection of chemically aggressive media
- Also suitable for food applications
- Mount and go (MaG): Sensor is pre-adjusted.



Technical data

Mounting	Non-flush mountable
Level sensor, in contact with the product	25 mm
Operating distance min. / max. adjustable	3...30 mm
Sensitivity adjustment	MaG, Potentiometer
Output function	PNP, Antivalent
Operating voltage (U_B)	10...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.	100 Hz
Permitted ambient temperature	-20...+70 °C
LED-display	Green / yellow
Protective circuit	Built-in
Degree of protection IEC 60529	IP 67 (with sealed potentiometer screw)
Norm	EN 60947-5-2
Connection	Cable, 7.5 m, PVC, 5 x 0.34 mm ²
Housing material	Stainless steel no. 1.4305 / AISI 303
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PC (FDA 21 CFR 177.1580)
Housing size / Process connection	M 32 x 1.5
Media optimized	Yes
Quattro Protect	Yes
ATEX certificate	DMT 01 ATEX E 157
ATEX Product marking Gas	Ex II 2G Ex mb Ex IIC T4 Gb
ATEX Product marking Dust	Ex II 1/2 D Ex ta/tb Ex IIIC T101°C Da/Db
IECEx certificate	BVS 07.0015
IECEx Product marking Gas	Ex mb IIC T4 Gb
IECEx Product marking Dust	Ex ta/tb IIIC T ₂₀₀ 101°C Da/Db
MTTF (average operating time until failure in Years)	732.74 Years
UL CSA certificate	Yes
Accessories (delivered with the sensor)	2 nuts M 32 x 1.5
Made in Germany	

