



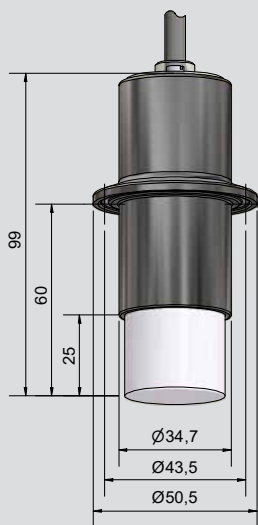
Capacitive sensors

Series 80 - PNP

Article number: KA0377

Description: KAS-80-35/100-A-TRI-PTFE/VAb-Z03-1-HP-2G-1/2D

- Capacitive sensor for level and position control
- For use in areas with the risk of dust explosion, zone 20
- For use in areas with the risk of gas explosion, zone 1
- Housing suitable for Triclamp according to standard DIN 32676, row A, DN40 and row C DN/OD 1½"
- Housing material: Stainless steel VA No. 1.4404 / AISI 316L
- Sensing distance 1...45 mm adjustable



Technical data

Mounting	Non-flush mountable
Operating distance (S_n)	20 mm
Operating distance min. / max. adjustable	1...45 mm
Sensitivity adjustment	Potentiometer
Output function	PNP, antivalent
Operating voltage (U_B)	10...35 V DC
Output current (I_a)	2 x 0...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	-25...+90 °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, 3 m, PVC, 5 x 0.34 mm²
Housing material	Stainless steel VA No. 1.4404 / AISI 316L
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PC (FDA 21 CFR 177.1580)
Housing size / Process connection	Triclamp, housing suitable for Triclamp according to standard DIN 32676, row A, DN40 and row C DN/OD 1½"
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	IECEx 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)	786.6 years
Made in Germany	

