



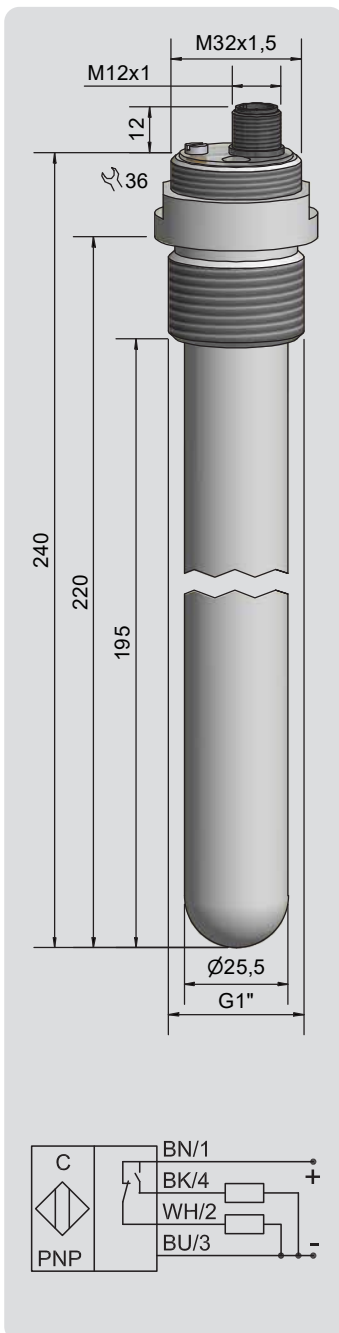
Capacitive sensors

Series 80 - PNP - ATEX

Article number KA1279

Description KAS-80-26/240-A-G1-PTFE-Y5-1-HP-1/2D

- Capacitive sensor for level and position control
- For use in areas with the risk of dust explosion, zone 20
- Ideal for detection of chemically aggressive media
- Suitable for food and pharmaceutical applications
- With flange connector M 12 x 1
- Special version with flange. Sealing can be made with a gasket or PTFE-tape (not supplied with the sensor)



Technical data

Mounting	Non-flush mountable
Operating distance S_n	Product-contacting / medium-dependent adjustable
Operating distance min. / max. adjustable	0...20 mm
Sensitivity adjustment	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.	10 %
Operating current (I_e)	2 x 0...150 mA
No-load current (I_o)	Typ. 15 mA
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-20...+70 °C, CIP / SIP 121 °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	Flange connector M 12 x 1 (A-coded)
Housing material	PTFE (FDA 21 CFR 177.1550)
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PC (FDA 21 CFR 177.1580)
Housing size / Process connection	G 1"
Media optimized	Yes
Quattro Protect	Yes
UL/CSA certificate	Yes
ATEX certificate	DMT 01 ATEX E 157
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 Dust	Ex ta/tb IIIC T ₂₀₀ 101°C Da/Db
MTTF (average operating time until failure)	272.63 Years
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	

All specifications are subject to change without notice. (04.12.2023)