



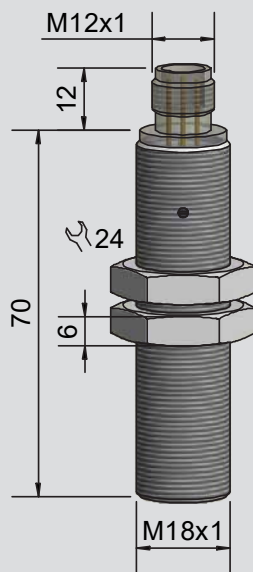
Capacitive sensors

Series 80 - PNP - StEx - ATEX

Article number KA0799

Description KAS-80-A13-A-M18-PTFE-Y3-1-HP-3G-3D

- For use in areas with the risk of dust explosion, zone 22
- For use in areas with the risk of gas explosion, zone 2
- Ideal for detection of chemically aggressive media
- Also suitable for food applications
- Housing material PTFE
- With flange connector M 12 x 1



Technical data

Mounting	Flush mountable
Operating distance S_n	5 mm
Operating distance min. / max. adjustable	0.5...10 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	-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	PTFE (FDA 21 CFR 177.1550)
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	-
Housing size / Process connection	M 18 x 1
Media optimized	Yes
Quattro Protect	Yes
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 in Years)	752.76 Years
UL CSA certificate	Yes
WHG certificate (German Federal Water Act)	Leakage Control Z-65.40-573
Accessories (delivered with the sensor)	2 nuts M 18 x 1
Matching connectors (not delivered with the sensor)	Female connector M 12, DC, 4 x 0.34 mm ² , 5 m, #191910 Female connector M 12, DC, 4 x 0.34 mm ² , 10 m, #191920

Made in Germany

