



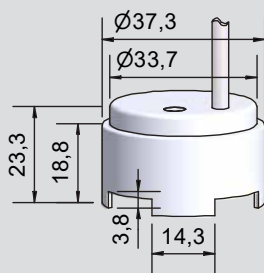
## Capacitive sensors

Series 80 - PNP - ATEX

Article number KA1715

Description KAS-80-39/23-1S-1Ö-D38-PTFE-Z05-MaG-Leak-3G-3D

- Sensor for leakage control: Alarm for containers and pipelines. Mounting in „drip trays“ of plastic, glass or metal.
- 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
- Mount and go (MaG): Sensor is preadjusted.



## Technical data

Mounting	Flush mountable
Operating distance $S_n$	3.5 mm
Operating distance min. / max. adjustable	0.5...8 mm
Sensitivity adjustment	MaG
Output function	PNP, 1 x normally open, 1 x normally closed
Operating voltage ( $U_B$ )	10...30 V DC
Voltage drop max. ( $U_d$ )	$\leq 2.0$ V
Permitted residual ripple max.	10 %
Operating current ( $I_o$ )	2 x 0...150 mA
No-load current ( $I_o$ )	Typ. 15 mA
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	0...+60 °C
LED-display	Green / yellow
Protective circuit	Built-in
Degree of protection IEC 60529	IP 67
Norm	EN 60947-5-2
Connection	Cable, 5 m, FEP, 4 x 0.34 mm <sup>2</sup>
Housing material	PTFE (FDA 21 CFR 177.1550)
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	-
Housing size / Process connection	Ø 38 mm
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)	1586.11 Years
Accessories (not delivered with the sensor)	Sensor holder # 196326 , # 196323
	Made in Germany

