



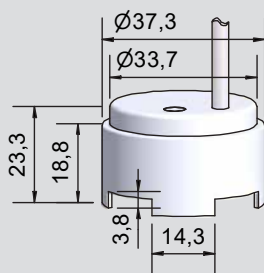
Capacitive sensors

Series 80 - PNP - ATEX

Article number KA1715

Description KAS-80-39/23-1S-10-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) | ≤ 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 | -25...+70 °CC |
| 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 ² |
| Housing material | PTFE (FDA 21 CFR 177.1550) |
| Active surface | PTFE (FDA 21 CFR 177.1550) |
| Lid | - |
| Housing size / Process connection | \varnothing 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 |

