



Industrial Detectors

UV Flame Detector, Ex

UMX3001 Ex



Part no.: 903802

UV flame detector for the detection of open flames. Designed for use in rough industrial environments. Equipped for operation as a conventional detector. The UMX3001 Ex flame detectors are ATEX-approved for category 2 gas and dust and are suitable for use in Ex zones 1 and 21. The UMX3001 Ex has a pressure resistant casing.

Product features

- Wide field of view
- Fast flame response
- High water and dust protection (IP 67)
- For use in Ex zones 1, 2, 21 and 22

Technical specifications

Detections method	UV-Sensor
Viewing angle	110 °
Number of detectors per line	max. 4
Operating voltage	7.6 V - 13.2 V DC
Quiescent current	approx. 1 mA
Alarm current	approx. 20 mA
Alarm indication	1 LED red
Electrostatic shielding	required
Operating temperature	-20 °C to +70 °C (-4 °F to +158 °F)
IP rating (EN 60529)	IP 67
Enclosure material	Diecast aluminum, silver grey
Relative humidity (IEC 721-3-3)	max. 95% at +35 °C (95 °F)
Weight	3 kg (6.6 lbs)
Dimensions	88 x 190 mm (dia. x H) 3.5 x 7.5 inch (dia. x H)

Not included in delivery

End of line-resistor 1.8 K / 0.5 W

675235

Connection / mounting

Connection cable standard detector 2-wire
 Additional connection latching indication 1-wire
 Recommended cable LIYCY grey 5x0.5 mm²
 (AWG 20)
 Conductor cross-section max. 2.5 mm² (AWG 13)
 Conducting cable diameter 5 mm to 9 mm (0.20 to 0.35 inch)
 Cable gland metal, EMV, Ex M16x1.5

Approvals / marking

Type examination certificate: BVS 04 ATEX E 168 X

