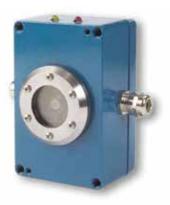# Industrial Detectors
IR Flame Detector

FMX3511

Part no.: 801618

Double infrared flame detector FMX3511 for the detection of open flames. Optic-test monitors the functionality of the detector. Designed for use in rough industrial environments. Equipped for operation as a conventional detector.

Product features

- High degree of immunity against false alarms, e.g. from hot surfaces

- A microcontroller monitors the functionality. Faults can be indicated on the detector or on a separate line

- Connection of remote indicator possible

- Single optic test

Not included in delivery

End of line-resistor 1.8 K / 0.5 W	675235
Sun screen	801277
Remote indicator LMX5000	908499
Plug for the pollution test	801079
Mounting device bracket with insulation (included in delivery with type BG)	801284
Mounting device console 125x80Ø60 (included in delivery with type Console)	801280
Mounting device console 125x80Ø60 LSP (included in delivery with type Console LSP)	801281

Connection / mounting

Connection cable standard detector	2-wire
Recommended cable	LiYCY 5x0.5 mm^2 (AWG 20)
Cable gland	M16x1.5, Brass nickel-plated, EMV

Technical specifications

Detection method	2 IR Sensors
Sensitivity class	3
Viewing angle	60 °
Operating voltage	7.6 V - 15 V DC
Quiescent current	approx. 3 mA
Alarm current	approx. 18 mA
Alarm indication	1 LED red
Fault indication current	approx. 7 mA
Fault indication	1 LED yellow
Number of detectors per line	max. 4
Electrostatic shielding	required
Operating temperature	-25 °C to +80 °C (-13 °F to +176 °F)
IP rating (EN 60529)	IP 65
Enclosure material	Diecast aluminum, RAL 5009-blue
Relative humidity (IEC 721-3-3)	max. 100% at + 35 °C (+95 °F)
Specification according to	EN 54 Part 10
Weight	600 g (1.3 lbs)
Dimensions	127 x 125 x 70 mm (WxHxD) 5 x 4.9 x 2.8 inch (WxHxD)

Approvals / marking

VdS G 296016   CE 0786-CPD-20312   FM APPROVED

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