

Industrial detectors

IR flame detector Ex

FMX3501 Ex



Product features

- Highly reliable 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.

Technical specifications

Detection method	2 IR Sensoren
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 temperatur	-25 °C to + 80 °C
IP rating (EN 60529)	IP 65
Enclosure material	Diecast aluminium, RAL5009-blue
Relative humidity (IEC721-3-3)	max. 100% at + 35 °C
Weight	600 g
Dimensions	127 x 125 x 70 mm (BxHxT)

Order no.: 903133

Double infrared flame detector FMX3501 Ex 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.

Double infrared flame detector FMX3501 Ex are ATEX-approved for category 2 gas and 3 dust and are suitable for use in Ex zones 1 and 22.

Intrinsically safe flame detectors must be connected by correspondingly marked cables to explosion hazard barriers.

Not included in delivery

Mounting device bracket with insulation	801284
Safety barrier IS conventional 9 V	904991
End of line-resistor 1,8 K / 0,5 W	675235
Sun screen	801277
Plug for the pollution test	801079

Connection / mounting

Connection cable standard detector	2-lead
recommended cable	LiYCY 5x0,5 mm ²
Cable gland	M16x1,5, Brass nickel-plated, EMV

Approvals

Ex conformity in acc. with 94/9/EG:

II 2G 3G Ex ib IIC T6/T4

Type examination certificate:

DMT 02 ATEX E224



G 296016



0786-CPD-20312

