OTblue-LKM multisensor fire detector IQ8Quad with isolator

Part-No. 802379

Approval: VdS

Specially addressable IQ8Quad multisensor fire detector with integrated optical sensor and heat sensor and enhanced false alarm management. For application as air duct smoke detector in venturi air duct modules Part No. 781443. The optical measurement chamber is provided with a patented developed sensor technology using a high-sensitive blue LED (instead of the commonly used red LED in Optical smoke detectors), enabling the detection of open fires, smoldering fires and fires with high heat generation.

Especially for open fires, the classical ionization technology implemented in ionization detectors is replaced by the unique detection technology, unlike ionization detectors, this sensor works without a radioactive element which causes problems at the time of refuse disposal. The detector is capable of identifying the TF1 and TF6 test fires described in the EN 54-9:1982 specification. Well suited for sensitive environment, detection of invisible up to large aerosols.

The OTblue multisensor is an intelligent detector with time-related signal analysis, signal correlation of the sensor data, decentralized intelligence, automatic function self-test, CPU failure mode, automatic adaptation to environmental conditions, alarm and operating data memory, alarm indicator and soft-addressing.

The detector is provided with an integrated isolator and a parallel detector indicator can be connected.

Operating voltage	9 ... 42 V DC
Quiescent current @ 19 V DC	50 µA
Quiescent current @ FACP battery	approx. 200 µA @ 27,5 V
Air velocity	1 ... 20 m/s
Application temperature	-20 °C ... 50 °C
Storage temperature	-25 °C ... 75 °C
Type of protection	IP 43 (with base + option)
Housing	ABS plastic, white, similar RAL 9010
Air humidity	< 95 % (non condensing)
Weight	approx. 110 g
Detector specification	EN 54-7
Specification	EN 54-7/-17, CEA 4021
Dimensions	Ø: 117 mm H: 62 mm (incl. base)

Only suitable for application in air duct construction set 781443.

Accessories:
805590   Standard detector base for IQ8Quad
805591   Detector base with relay contact for IQ8Quad