OTblue multisensor fire detector IQ8Quad with isolator

Part-No. 802375

Approval: VdS

Multisensor fire detector with integrated optical sensor and heat sensor with enhanced false alarm management. 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 remote indicator can be connected.

Operating voltage	9 ... 42 V DC
Quiescent current @ 19 V DC	50 µA
Alarm current w/o communication curtain	18 mA
Area to be monitored	max. 110 m²
Height to be monitored	max. 12 m
Air velocity	0 ... 25.4 m/s
Application temperature	-20 °C ... 50 °C
Storage temperature	-25 °C ... 75 °C
Type of protection	IP43 (with base + option)
Material	ABS plastic
Air humidity	< 95 % (non condensing)
Color	white, similar to RAL 9010
Weight	approx. 110 g
Detector specification	EN 54-7/-5 A2 /-17, CEA 4021
Dimensions	Ø: 117 mm H: 49 mm (62 mm incl. base)

Detector base is not supplied as standard

Accessories:

767800 Mounting bracket
805590 Standard detector base for IQ8Quad
805591 Detector base with relay contact for IQ8Quad