

OTblue multisensor detector IQ8Quad FM with isolator



Part-No.: 802375.IN

Approval: VdS, FM


Multisensor with integrated optical detector and heat detector. The optical measurement chamber is provided with a newly developed sensor technology, enabling the detection of open fires, smouldering fires and fires with high heat generation. Especially for open fires, the classical ionization technology implemented in ionization detectors is replaced by the new detection technology. The detector is capable of identifying the TF1 and TF6 test fires described in the EN 54-9:1982 specification.


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.

Common technical data

Operating voltage	9 ... 42 V DC
Quiescent current @ 19 V DC	50 µA
Quiescent current @ FACP battery	approx. 200 µA @ 27,5 V
Quiescent current @ FACP battery	approx. 280 µA @ 42 V
Alarm current w/o communication curtain	18 mA
Area to be monitored	110 m ²
Height to be monitored	12 m
Air velocity	0 m/s ... 25.4 m/s
Application temperature	-20 °C ... 50 °C
Storage temperature	-25 °C ... 75 °C
Air humidity	< 95 %
Type of protection	IP 43 (incl. base + option)
Material	PC / ABS
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)
Declaration of Performance	DoP-20113130701

 Special colors on demand.

 Without detector base

Accessories:

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