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.

Common technical data

Operating voltage	9 ... 42 V DC
Quiescent current @ 19 V DC	50 µA
Quiescent current @ FACP battery	approx. 280 µA
Alarm current w/o communication curtain	18 mA
Area to be monitored	110 m²
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 40 with base, up to IP 43 with base and option
Material	ABS plastic
Color	white, similar to RAL 9010
Weight	approx. 110 g
Detector specification	EN 54-7 /-5 A2 /-17:2005, CEA 4021
Dimensions	Ø: 117 mm H: 49 mm (62 mm incl. base)
Declaration of Performance	DoP-20113130701

ℹ Special colors on demand The detectors Part No. 802271, 803271, 802371, 803371, 802373, 802374 and 803374 are approved in the scope of the DIBt system authorization for the operation with an Automatic Door System. To determine the battery capacity of a fire alarm panel, the detector data "Quiescent current @ BMZ battery" can be added. In order to pass through existing wires, the WAGO grips, e. g. type 243-204 (O 0.5-1 mm) or 273/104 (0.75-2.5 mm2) can be integrated into the detector base. Please use only for commissioning/maintenance of fire detectors from SW version V2.42R006 the programming software tools 8000 from version V1.05.

Accessories:

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