Optical smoke detector ES Detect

Part-No.: 800371
Approval: VdS

Scattered-light smoke detector for reliable early detection of fires. Fire detector with decentralized intelligence, automatic function self-test, automatic environmental adaptation, alarm and operating data storage and alarm display.
A remote indicator can also be connected.

Features:

- Optimally matched to the ES Line system
- With multisensor detectors for the detection of all fires, even under the most difficult operating conditions
- Up to 30 detectors per detection group
- Uniform response sensitivity of the detector for all different types of fire for the multisensor detectors
- Large distance between signal and interference magnitudes due to special sensor and electronics design for suppressing electromagnetic influences
- Automatic adaptation to varying environmental influences
- Electronic compensation also called drift-compensation of long-term influences of contamination or aging
- High reliability against false alarms by temporal evaluation of different sensor criteria, with built-in insect screen and sealed against rear air flow entry
- Exclusion of signal forms not typical of fires through special filter algorithms
- Automatic self-monitoring of the detector electronics
- Automatic self-monitoring of sensors for function and condition
- Designation of the heat detector by a black ring on the light pipe
- Hours of operation, alarm and fault counter in each detector
- Operation data retrieval of all detectors of a group with standard service PC and field bus interface
- Detector LED for alarm display and as an identification display in the service (for maintenance with 8000 tools)
- Standard socket and relay base
- Socket adapter for ceiling installation
- Dust caps optional for fire detectors and detector base
- Kit for suspended mounting

Common technical data

Operating voltage	8 ... 42 V DC
Quiescent current @ 9 V DC	30 µA
Alarm current @ 9 V DC	9 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 ... 72 °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
Color	white, similar to RAL 9010
Weight	approx. 110 g
Detector specification	EN 54-7
Dimensions	Ø: 117 mm H: 49 mm (62 mm incl. detector base)

ℹ Special colors on request! For the maintenance of the ES Detect detectors, the programming software tools 8000 from version V1.24 in combination with the red EOL-I (part number 808626) is required. In order to pass through existing wires, the WAGO grips (e.g., type 243-204 (Ø 0.5-1 mm) or 273/104 (0.75-2.5 mm²), can be integrated into the detector base.

🚚 Without detector base

Accessories:

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