FALSE ALARM SAFE FIRE AND SMOKE DETECTION

DIEHL
Aviation

Climbing higher.
Together

CHARACTERISTICS

Diehl Aviation Smoke and Fire Detectors set standards in the industry, and not only because of their highly precise sensors: the sleek casing is CFD-optimized and the extremely short response times are a result of the highly sophisticated design. The devices recognize all types of fires. Dust, cosmetic sprays, insecticides or mist do not trigger false alarms.

BENEFITS

- Worldwide technology leader in false alarm suppression with proven robustness against dust, cosmetic sprays, insecticides, water mist and fog

- Heated detection chamber to avoid condensation

- Highest smoke detection speed in market

- Variable cup color according to customer needs — one part number for all designated areas of an aircraft

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FEATURES

- Electrical connection can be adjusted as required

- 3-channel smoke detection

- Complies with DAL-B requirements

- Ultrafast temperature sensor

TECHNICAL DATA

application	cargo/lavatory/crew rest compartment
weight	215g
dimensions	54mm cup diameter
	94mm housing diameter
	54mm total height
power consumption	1W plus 1.1W heating (on demand)
normal operating temperature range	-40°C to 70°C
interfaces	discrete and CAN
connector	ASNE 0053R14B19PN or customizable
complied standards	AS8036A (false alarm robustness)
	EN54-7 (fire detection) (TF1-TF7)
	RTCA-DO160G (qualification)
	RTCA-DO178B, DAL B, (SW safety)