

PRODUCT INFORMATION SHEET

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INTELLIGENT MULTI SENSOR DETECTOR WITH ISOLATOR

VdS-approval G 208095

PL 3300 OTi Fusion

Part-No.: 32149



Intelligent optical and thermal multi sensor detector for loop3000 with two optical and two thermal sensors and a bidirectional isolator for earliest fire detection and indication in all environments with difficult ambient conditions, according to EN 54-5/-7 /-17, prEN 54-29 and CEA 4021. Fusion® technology for the detection of the smallest smoke particles and fires in the early stage by using the wavelengths of the wide-band white light spectrum.

- Individual use of the thermal measurement according EN 54-5 in the sensitivity levels 2 to 5 as maximum detector (static --> A1S, A2S) or as rate-of-rise detector with maximum threshold (differential and static --> A1R, A2R)
- Individual change of detector class for sensitivity levels 2 to 5 using Easy Check 3000
- Pollution detection of the smoke measurement chamber by an additional optical path
- Detector sensitivities automatically adapted and programmable
- Integrated measurement-system and algorithm for condensation recognition (Humitec®)
- Intelligent analysis and suppression mode for the elimination of false alarms (e.g. cigarette smoke)
- Highest reliability by optimal adjustment of the alarm threshold via intelligent algorithm for the fire detection
- Fault monitoring of the measurement chamber signal and Loop 3000 electronics
- Periodic sensor test
- Automatic and manual addressing on Loop 3000
- Integrated isolator and T-branch option
- Alarm output to control parallel indicator
- Functions completely integrated via Loop 3000 protocol
- Presence and absence switching with selectable sensitivities
- Storage of last maintenance date
- Multicolour LED for alarm (red) and fault (yellow)
- Delivery including dust protection cover for installation phases

Technical Data

Supply Voltage	15 V to 32 V DC on 2-wire bus (max. 34 V DC)
Quiescent Current	320 µA
Alarm Current	5 mA
Output	OC: max. 10 mA for parallel indicator or buzzer
Protection class	IP 40
Ambient temperature	-10°C to +60°C
Humidity	max. 95%
Sensitivity	Adjustable in 5 sensitivity levels
Dimensions (H x D)	appr. 52 mm x 97 mm (with base)
Weight	appr. 80 g
Material	ABS
Colour	Housing white (similar to RAL 9003)
Standards	EN 54-5, EN 54-7, EN 54-17, prEN 54-29
VDS-approval	G 208095
System-approval	S 210001, S 216001
CE-CPD-Number	0786-CPD-20580