

Multisensor optical/thermal

PL 3300 OTi Fusion

order number : 32149



Intelligent optical and thermal detector for loop 3000, for earliest fire detection in environments with difficult ambient conditions, according to DIN EN 54-5/7:

- highly functional detection system for loop 3000
- highest operational reliability thanks to intelligent connection of thermal and optical sensor signals via algorithms
- integrated measuring system and algorithm for bedewing identification/-compensation (Humitec®)
- display of the fire control panel temperature profile
- alarm output for triggering a detector indication
- detector sensitivities automatical adjustable as well as freely programmable
- optical measurement according to the Tyndall principle
- detection of smallest smoke particles and early-stage-fires by using the wide banded white light in the wavelength range of 380 nm up to 750 nm (Fusion®-technology)
- exact detection and compensation of contamination by an independent second measuring channel
- intelligent analysis and suppression mode for cigarette smoke (disturbance variables)
- intermittent implementation of an authentic sensor test
- programmable attendance and absence via individually selectable sensitivity
- last maintenance event storage
- automatic and manual addressing on the loop 3000
- failure monitoring of the measurement signal chamber and loop 3000 electronics
- mode for adapting to environmental conditions
- integrated isolator and t-branch (spur) facility
- multicolour LED for alarm (red) and fault (yellow)

technical data

errors and alterations excepted



detectomat

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quiescent current	250 μ A
alarm current	5 mA
output open collector	max. 10 mA for LED indicators or Piezo base
sensitivity	5 levels adjustable
operation temperature	-10°C up to +60°C
humidity	max. 90 % RH non-condensing
air speed	max. 20 m/s
protection class	IP 40
colour housing	white, similar to RAL 9003
material	ABS
diameter	100 mm
VdS-No.	BMA 06/0625-A 2006277-50
DIN-EN	54-5, 54-7
dimensions	(H x Ø): 52 mm x 100 mm
weight	0,1 kg
remarks	<ul style="list-style-type: none">· Both sensors are controlled and connected to the detect 3000 system via loop 3000, and thus they are fully compatible.· Application with software version 51
operation voltage	15 up to 30 V loop powered

errors and alterations excepted