

SSD633



Scattered light Smoke Detector SSD 633 is a loop detector and provides:

- Detection system with maximum functionality.
- Maximum operational reliability thanks to intelligent evaluation of measuring chamber signal.
- Permanent internal detector temperature measurement for mapping a temperature profile of the fire alarm system.
- True sensor test carried out periodically.
- User-defined detector sensitivity.
- Presence/Absence switchover with selectable sensitivities.
- Last service date store.
- Automatic addressing (soft addressing).
- Alarm output for triggering a floating contact in the base or a remote indication.
- Measuring chamber signal and electronics monitored for malfunctions.
- Max. length of loop/line 3000 m when using cable of 0.8 mm² cross-section.
- No electronics in standard detector base.
- Integral anti-theft protection.
- Teach-in mode for ambient conditions and automatic variable sensitivity adjustment (optional).
- Windows-based service, diagnosis and installation software I-Check included, featuring:
 - graphic display of loop/line topology
 - localised short-circuit detection
 - localised earth fault detection (optional)

Additional information:

- The measuring chamber consists of a labyrinth for excluding external light, an intermittent LED and a photodiode in the so called 1st measuring channel.
- True contamination detection by means of independent 2nd measuring channel.
- Automatic adjustment of alarm threshold in the case of contamination.
- Built in bidirectional short-circuit isolator to prevent detector failure in the event of a short-circuit.

Detector specification	DIN EN 54-7
Type of connection	2-wire cable
Addressing	max. 126 elements/loop
Power supply	15-30 Vdc via 2-wire cable
Standby current	const. 250 μ A up to 30 V
Alarm current	5 mA
Alarm signalling	red LED for alarm yellow LED for malfunction
Alarm output	max. 15 mA
Response sensitivity	< 0.15 dB/m
Max. humidity	95%/40°C
Max. air velocity	20 m/s
Operating temperature	-10 to +60°C
Max. area protected	120 m ²
Class of protection (EN 60529)	IP 43
Dims. with base (\varnothing x H)	100 x 44 mm
Weight	85g
VdS approval No.	G 205108

Options:

1. Available detector version **SSD632** without built in bidirectional short-circuit isolator.
2. Available detector version **SSD 633 C**
 - Inserting in aspiration pipes with air speed max. 20 m/s
 - Other characteristics as SSD 633

Design variants::

PL3301 O

Optical smoke detector, design variant 1

- Technical characteristic as SSD633
- Available in white, silver and black colour



PL3304 O

Optical smoke detector, design variant 4

- Technical characteristic as SSD633
- Available in white and silver colour



PL3305 O

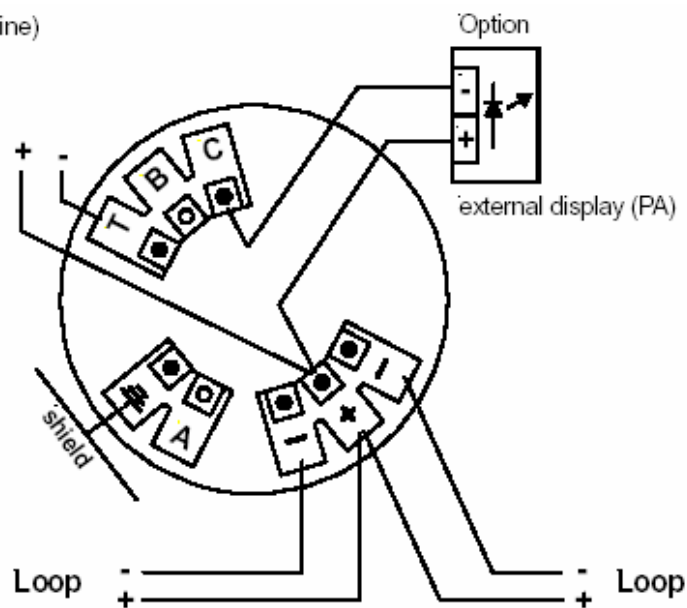
Optical smoke detector, design variant 5

- Technical characteristic as SSD633
- Available in white and silver colour



WIRING

T-branch (stab line)
optional



Binder A and B are for free disposal