



# Certificate of Conformity

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<b>afp - 3671</b>	4-Mar-2022	Number 5	Issue date 13-Feb-2025	30-Apr-2026

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## Product designation

**Securiton, ASD 533 Series, aspirating smoke detector**

(Refer to the Schedule/enclosures for further specified details)

## Agent/distributor

Incite Fire

Block Y, Unit 1, Regents Park Estate, 391 Park Road, REGENTS PARK, NSW, AUSTRALIA, 2143

## Registrant

Securiton AG

Alpenstrasse 20, ZOLLIKOFEN, SWITZERLAND, CH-3052

### Producer

Securiton AG

Alpenstrasse 20, ZOLLIKOFEN, SWITZERLAND, CH-3052

## Conformance criteria and evaluation

The Securiton, ASD 533 Series, aspirating smoke detector has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 7240.20-2012, 'Fire detection and alarm systems - Part 20: Aspirating smoke detectors'.

## Limitations/conditions of conformance

Limitations/conditions of conformance, where identified on this certificate, are derived from qualifications from evaluation(s) for conformity and/or other related technical documentation. All details with respect to design, assembly and installation instructions and restrictions should be checked against the producer's current technical manual/data sheets and the requirements of the Authority having Jurisdiction.

Specified limitations/conditions, determined from the evaluation for conformity, include the following.

- i. Compatibility of this equipment with new or existing control and indicating equipment should be verified prior to installation.

This certification is issued within the scope of CSIRO Verification Services – Rules governing ActivFire Scheme and is valid only for the product(s) as submitted for evaluation and verification of conformity, subject to the following conditions.

- Reference to details, limitations and requirements, where documented as a schedule/enclosure with this certificate.
- The Registrant is responsible for their attestation of conformity and ensuring that on-going production complies with the conformance criteria defined in this certificate.
- This certificate will not be valid if any changes or modifications are made to the product which have not been notified and validated by CSIRO Verification Services.
- This certificate is subject to periodical re-validation upon verification that all requirements, as determined by the conformity assessment body, continue to be satisfactorily met by the Registrant.
- This certificate may only be reproduced in its published form, without modification and inclusive of all schedules/enclosures.
- Any changes, errors or omissions, must be submitted in writing and if necessary or requested, substantiated with relevant evidence.
- Any representations, such as advertising or other marketing related activities or articles shall reflect the correct contents of this certificate and conform with all relevant trade practices and consumer protection legislation and regulations.
- Any terms or conditions of use as applicable to content and documentation as published or accessed through web sites administered by the CSIRO Verification Services.

Issued by

Kai Loh

Executive Officer – ActivFire Scheme



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## Producer's description

The Securiton, ASD 533 Series, aspirating smoke detector are aspirating smoke detectors that is highly sensitive, active smoke detection system. It offers application-specific sensitivity adjustment alongside pre-signalling and pollution analyses. This equipment may be used as a standalone detector or connected to a monitored input port of FDCIE.

The Securiton, ASD 533 Series, aspirating smoke detector performs the function of continuously taking air samples via a sampling pipe tube networks from a monitored area and feeding the samples to a smoke sensor.

This equipment consists of the detector housing and a sampling pipe tube network. The sampling pipe may have several sampling holes whose size is such that each hole withdraws the same amount of air. The sampling pipe may be I-, U-, T-, H-, or E- shaped. The sampling pipes are usually symmetrical designed. Asymmetrical sampling pipe tube networks can also be implemented using "ASD PipeFlow" calculation software.

The Securiton, ASD 533 Series, aspirating smoke detector consists of the following models:

- Securiton, Model ASD 533-1 ASD
- Securiton, Model ASD 533-2 ASD

The ASD 533-1 consists of one sensor per unit while the ASD 533-2 consists of two sensors per unit.

## Technical specification

The following details are a representative extract of the technical specification for the Securiton, Model ASD 533-1, aspirating smoke detector and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

### Schedule of variant designations

The following is a schedule of validated variant designations of the certified/listed equipment.

Variant		Features			Software version
Type	Ident	Single pipe Single sensor	Dual pipe Dual sensor	Smoke level indicator	
Model no	ASD 533-1	✓	Not applicable		V01.11.00
	ASD 533-2	Not applicable	✓	Not applicable	

### Schedule of components and/or assemblies

The following is a schedule of validated components and/or assemblies of the certified/listed equipment.

Description	Article number
SSD 533, sensitivity range 0.02% /m to 10%/m. Earliest pre-signal 0.002%/m	11-2200006-01-XX
XLM 35, SecuriLine eXtended Line Module (if no SLM 35 is fitted)	11-2200003-01-XX
ML-SFD, M-Line Module	11-2200015-01-XX
SLM 35, SecuriLine Line Module (if no XLM 35 is fitted)	4000286.0101
RIM 35, Relay Interface Module with five (5) relays	11-2200031-01-XX
MCM 35, Memory Card Module	11-2200057-01-XX
SIM 35, Serial Interface Module	11-2200000-01-XX
SMM 535, Serial Master Module	11-2200001-01-XX

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## Schedules of properties/characteristics

The following schedule is an extract of physical and operational properties/characteristics of the certified/listed equipment.

### Electrical characteristics, Model specific

Max. power consumption, measured at:		Supply voltage range, 10.5 to 30 Vdc			Units
		12 Vdc operation 10.5 Vdc	24 Vdc operation 18 Vdc	Typical 24 Vdc	
ASD 533-1 (at fan speed level 1)	Quiescent/fault Alarm	approx. 265 approx. 340	approx. 160 approx. 210	approx. 130 approx. 160	mA
ASD 533-2 (at fan speed level 2)	Quiescent/fault Alarm	approx. 370 approx. 450	approx. 220 approx. 270	approx. 170 approx. 205	mA
Additionally with 1 RIM 35 unit (all relays triggered)		approx. 15	approx. 10	approx. 7	mA
Additionally with 2 RIM 35 units (all relays triggered)		approx. 30	approx. 20	approx. 14	mA
Additionally with XLM 35 / ML-SFD / SLM 35		approx. 20	approx. 10	approx. 5	mA
Additionally with MCM 35		approx. 25	approx. 15	approx. 10	mA
Additionally with SIM 35		approx. 20	approx. 10	approx. 5	mA
Switch-on current peak				approx. 5 for 1	A ms

### Electrical characteristics, general

Characteristic	Value	Units
Max. loading capacity relay contact	50 1 30	Vdc A W
Max. loading capacity per open collector output	100	mA

### Environmental characteristics

Characteristic	Value	Units
Ambient conditions		
Detector housing temperature range	-20 to +60	°C
Sampling pipe temperature range	-20 to +60	°C
Ambient pressure difference of detector housing to sampling pipe (sampling holes)	must be identical	
Detector housing humidity ambient condition (transient, non-condensing)	95	%RH
Humidity ambient temperature (continuous)	70	%RH
Protection class (IEC 60529)	IP 54	

### Physical characteristics

Characteristic	Value	Units
Plug-in terminals	2.5	mm <sup>2</sup>
Sound Pressure Level (at 1 m)	39	dB(A)
Map case material	ABS Blend, UL 94-V0	
Map case colour	Grey 280 70 05 / anthracite violet 300 20 05	
Dimensions (W x H x D)	265 x 397 x 148	mm
Weight (ASD 533-1 (incl. SSD 533))	3255	g

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## Supplementary information

### Schedule of relevant articles

The following schedule is an extract of articles significant and/or related as evidence of conformity.

Reference		Title / description	Date issued (or date validated)	Source
Ident. type	Ident.			
Report Number	CSBA0192/R1A	Verification of Conformity of the Securiton, ASD 533 series, aspirating smoke detector (ASD) to the requirements of AS 7240.20-2012, 'Fire detection and alarm systems Part 20: Aspirating smoke detectors'	12-Feb-2025	CSIRO, Fire Systems Laboratory, AU
	CSBA0052/R1	Evaluation for conformity of the ASD 53x series of Aspirating Smoke Detectors to the requirements of AS 7240.20-2012	27-July-2023	
	XF3354/R2	Evaluation for conformity of the Securiton ASD 533-1, aspirating smoke detector to the requirements of AS 7240.20-2012	25-Jan-2022	
Data sheet	T 140 288 g en / 60000234	Securiton Data sheet ASD 533 Aspirating smoke detector (ASD533_DS_T140288en_g.pdf)	05-Aug-2024	Securiton AG, CH
Manual	T 140 287 g en	Securiton Technical description ASD 533 Aspirating Smoke Detector As of firmware version 01.11.xx (ASD533_TD_T140287en_g.pdf)	05-Aug-2024	