



# Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
<b>afp - 2461</b>	18-Apr-2011	Number 9	Issue date 1-May-2019	30-Apr-2020

Page 1 of 2

## Product designation

**Sinteso™, Model FDT221 (Part num.: A5Q00001567), C-LINE, classes A1R / A1S, BR / BS, heat detector**

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

## Agent/distributor

Siemens Ltd.  
885 Mountain Highway, BAYSWATER, VIC, AUSTRALIA, 3153

## Registrant

Siemens Ltd.  
885 Mountain Highway, BAYSWATER, VIC, AUSTRALIA, 3153

### Producer

Siemens Switzerland Ltd  
Theilerstrasse 1a, ZUG, SWITZERLAND, CH-6300

## Conformance criteria and evaluation

The Sinteso™, Model FDT221 (Part num.: A5Q00001567), C-LINE, classes A1R / A1S, BR / BS, heat detector has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 7240.5-2004, 'Fire detection and alarm systems - Part 5: Point type heat detectors (ISO 7240-5:2003, MOD)'.

## 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. The detector is used in conjunction with Siemens Cerberus CS1140 control and indicating equipment.
- ii. The advance application mode settings are not used.
- iii. Compatibility of this fire detector and its base assembly with new or existing control and indicating equipment should be verified prior to installation.

Issued by

David Whittaker  
Executive Officer – ActivFire Scheme



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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.

# Schedule to Certificate of Conformity

Certificate num.	Registration date	Version		Valid until	Page 2 of 2
<b>afp - 2461</b>	18-Apr-2011	Number 9	Issue date 1-May-2019	30-Apr-2020	

## Producer's description

The Sinteso™, Model FDT221 (Part num.: A5Q00001567), C-LINE, classes A1R / A1S, BR / BS, heat detector is a heat detector with two thermal sensors.

The product is a plug in sensor compatible with the Siemens FDB221 detector base. One LED on the sensor pulses as the detector is polled by the associated control and indicating equipment; this LED illuminates red to indicate the alarm status of the device.

## Technical specification

The following details are a representative extract of the technical specification for the Sinteso™, Model FDT221 (Part num.: A5Q00001567), C-LINE, classes A1R / A1S, BR / BS, heat detector and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Operating voltage	12 to 33 Vdc
Operating temperature	-10 to +50 °C -10 to +70 °C depending on the parameterization
Storage temperature	-30 to +75 °C
Quiescent current	130 to 200 µA
Communication protocol	FDnet
Heat detection classes (gradings)	A1R / A1S, BR / BS
Relative humidity	≤95 %
Protection category	with base IP43, with base attachment IP44 with base attachment wet IP54
Dimensions (Ø x H)	100 x 46 mm
Color	white, ~RAL 9010

### Heat detector classification temperatures

Detector class	Typical application temperature °C	Maximum application temperature °C	Minimum static response temperature °C	Maximum static response temperature °C
A1R	25	50	54	65
A1S				
BR	40	65	69	85
BS				

Additional information may be provided optionally concerning the type of response exhibited by the detector by adding the suffix "S" or "R" to the above classes.

- Detectors with a suffix "S" to their class do not respond below the minimum static response temperature corresponding to their classification.
- Detectors with a suffix "R" to their class incorporate a rate-of-rise characteristic.

Evaluated base designation	Base + detector circuit type
Siemens, Model FDB221	Analogue / addressable