

CERTIFICATE

(1) Type Examination

(2) **Product intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) Type Examination Certificate Number: **DEKRA 17ATEX0054 U** Issue Number: **1**

(4) Product: **Fixed temperature thermostats 3NT Series**

(5) Manufacturer: **Sensata Technologies Changzhou Co., Ltd**

(6) Address: **18 Chuangxin Road, 213031 Changzhou, Jiangsu Province, China**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.

The examination and test results are recorded in confidential test report no. NL/DEK/ExTR17.0028/01.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0 : 2012 + A11 : 2013

EN 60079-15 : 2010

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This Type Examination Certificate relates only to the design and construction of the specified product and not to the manufacturing process and its monitoring.

(12) The marking of the product shall include the following:



II 3 G

Ex nC IIC Gc

Date of certification: **23 November 2017**

DEKRA Certification B.V.

R. Schuller
Certification Manager

(13) **SCHEDULE**

(14) **to Type Examination Certificate DEKRA 17ATEX0054 U**

Issue No. 1

(15) **Description**

Fixed temperature thermostats, 3NT series for use as part of a temperature control system.

The type code and the ambient temperature range of the modules shall be taken from **table 1**.

Electrical data

The electrical data of the supply shall be taken from **table 1**.

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. NL/DEK/ExTR17.0028/01.

(17) **Schedule of Limitations**

The Voltage, Current Cos ϕ , mechanical securement of the factory connection, Creepage distances and Clearances specifications as given in the instruction manual, must be taken into account.

The fixed temperature thermostat body shall be installed using a protective cover providing resistance to impact according EN60079-0 clause 26.4.2 table 13 (after thermal endurance tests according clause 26.7 for relevant non-metallic cover) for equipment grouping II and classification high risk for mechanical danger for protective covers.

The electrical termination of the device installed in the application shall have a suitable enclosure providing a degree of protection of at least IP54 according EN 60079-15 clause 6.3.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR17.0028/01.

(20) **Certificate history**

| | |
|---------------------|-----------------------------------|
| Issue 0 - 221694100 | Initial certificate |
| Issue 1 - 221653000 | Update to schedule of limitations |

(13) **SCHEDULE**

(14) **to Type Examination Certificate DEKRA 17ATEX0054 U**

Issue No. 1

Table 1

| Description | Type/Sensata No. | Service Temperature Range | Technical Data |
|---|---|---------------------------|--|
| Fixed temperature thermostat 3NT series is an automatic reset thermostat designed for use as part of a temperature control system | 3NT series (see nomenclature for details) | -40... +125°C | Max. 250V, Max. 16A, Cos φ 0.6 Max. 30Vdc, Max. 1A |

Nomenclature:

3NT **01** **X** **X** **XXXX** **Temp. Code** **X** **XX** **X** **XX**
a b c d e f g h i

- a Series name
- b Contact Material: 01 - Silver; 11 - Gold
- c Switch Opening Logic: L = On Temp. Rise
 F = On Temp. Fall
- d Dry Seal Construction
- e ID Number: Customer and Application Specific
- f Switch Type: L = Limit
 F = Fan
- g Operating Temperature
- h Temp. Code: C = Celsius (optional)
 F = Fahrenheit (optional)
- i Differential: Normal Open and Close Temp.