



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEx PRE 18.0029X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2018-07-13

Applicant: **R.STAHL TRANBERG AS**  
Strandsvingen 6  
N-4032 Stavanger  
Norway

Equipment: **Thermostat**

Optional accessory:

Type of Protection: **Ex mb**

Marking: Ex mb IIC T6 Gb -50°C ≤ Ta ≤ +50°C  
Ex mb IIC T4 Gb -50°C ≤ Ta ≤ +70°C

Approved for issue on behalf of the IECEx  
Certification Body:

**Asle Kaastad**

Position:

**Certification Manager**

Signature:  
(for printed version)

Date:

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1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**DNV GL Nemko Presafe AS**  
Veritasveien 3  
1363 Høvik  
Norway





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Date of issue: 2018-07-13

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Manufacturer: **R.STAHL TRANBERG AS**  
Strandsvingen 6  
N-4032 Stavanger  
Norway

Additional  
manufacturing  
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

#### STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

**IEC 60079-0:2011** Explosive atmospheres - Part 0: General requirements  
Edition:6.0

**IEC 60079-18:2014** Explosive atmospheres – Part 18: Equipment protection by encapsulation “m”  
Edition:4.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

#### TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[NO/PRE/ExTR18.0028/00](#)

Quality Assessment Report:

[NO/NEM/QAR10.0006/06](#)



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## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

### Description of Product

This certificate covers an ambient air thermostat with potting in a brass or stainless steel enclosure. Used for example together with an enclosure heater.

### Type Identification:

#### M20 version:

Brass	Chromium-plated Brass	Acid resistant SS	Opening temp. (OFF)	Closing temp. (ON)
5023 9200	5023 9201	5023 9202	+11,7°C +/- 2,8°C	+3,3 °C +/- 3,3°C
5023 9210	5023 9211	5023 9212	-2,8°C +/- 2,8°C	-10°C +/- 3,3°C
5023 9220	5023 9221	5023 9222	+20°C +/- 2,8°C	+10°C +/- 3,3°C

#### M25 version:

Brass	Chromium-plated Brass	Acid resistant SS	Opening temp. (OFF)	Closing temp. (ON)
5023 9250	5023 9251	5023 9252	+11,7°C +/- 2,8°C	+3,3 °C +/- 3,3°C
5023 9260	5023 9261	5023 9262	-2,8°C +/- 2,8°C	-10°C +/- 3,3°C
5023 9270	5023 9271	5023 9272	+20°C +/- 2,8°C	+10°C +/- 3,3°C

### Technical Data

Max 250VAC, External fuse max 16 A,  
Continuous load max 16 A for  $T_a \leq +50^\circ\text{C}$   
Continuous load max 10 A for  $T_a \leq +70^\circ\text{C}$

### Material

Brass, Chromium-plated brass or Acid resistant stainless steel. Red silicone gasket.

### Ingress Protection Code

IP66 according to EN 60529. Valid for the interface between thermostat and enclosure.

Maximum withstand temperature, power off +80°C

### Routine Test :

Clause 9.1 and 9.2 in IEC/EN 60079-18, visual inspection and dielectric strength test shall be carried out by the manufacturer.

### SPECIFIC CONDITIONS OF USE: YES as shown below:

The cables must be properly protected, and the connection must be carried out in an appropriate certified enclosure.

the thermostat must be connected to a fuse with the following ratings : Max 16A, breaking capacity min. 1500A.