



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

Ex COMPONENT CERTIFICATE

Certificate No.: **IECEX BAS 16.0041U**

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Certificate history:

Status: **Current**

Issue No: 4

Issue 3 (2021-05-11)

Issue 2 (2020-12-22)

Issue 1 (2019-01-16)

Issue 0 (2016-03-10)

Date of Issue: 2021-07-12

Applicant: **nVent Thermal LLC**
899 Broadway Street
CA
94063-3104
United States of America

Ex Component: C25-100 Connection Kit

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

Type of Protection: **Increased Safety, Dust Protected**

Marking: **Ex eb IIC Gb**
Ex tb IIIC Db

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

Technical Manager

Signature:
(for printed version)

12/7/2021

Date:

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 or use of this QR Code.



Certificate issued by:

SGS Baseefa Limited
Rockhead Business Park
Staden Lane
Buxton, Derbyshire, SK17 9RZ
United Kingdom





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Manufacturer: **nVent Thermal LLC**
899 Broadway Street
CA
94063-3104
United States of America

Additional manufacturing locations: **nVent Thermal LLC**
Plant 5 Facility
Av. Industrial Falcon Lotes, 6 al 8 S/N
Parque Industrial del Norte
Reynosa Tampaulipas 88736
Mexico

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 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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 Reports:

[GB/BAS/ExTR16.0087/00](#)
[GB/BAS/ExTR21.0060/00](#)

[GB/BAS/ExTR18.0101/00](#)

[GB/BAS/ExTR20.0176/00](#)

Quality Assessment Reports:

[GB/BAS/QAR06.0030/08](#)

[GB/SIR/QAR09.0018/14](#)



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Ex Component(s) covered by this certificate is described below:

The C25-100 connection kit is for use with parallel trace heating systems to provide an appropriate connection and insulation for trace heating cable into an Ex certified enclosure. It comprises heat shrink tubing, a C1 Core Sealer to IECEx BAS 15.0137U and a M25 cable gland to IECEx PTB 14.0027X.

The kit contains:

- 1 gland
- 2 grommets
- 1 locknut
- 2 heat shrink tubes for insulating conductors
- 1 insulation sleeve (green/yellow) for insulating the braid/ground wire.

SCHEDULE OF LIMITATIONS:

1. The service temperature range of the C25-100 Connection Kit is -55°C to +110°C.
2. When the C25-100 Connection Kit is used, it shall be mounted to an enclosure in accordance with the manufacturer's instructions.
3. The installer is to carry out a dielectric strength test on the Ex equipment in which the C25-100 Connection Kit is fitted. No dielectric breakdown shall occur. (Alternatively, an insulation resistance test may be undertaken in accordance with IEC 60079-30-2).
4. The integral C1 Core Sealer shall be installed inside an Ex equipment certified enclosure.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Variation 4.1

To allow the C25-100 Connection Kit to be used with the HTV heating cable.

ExTR: **GB/BAS/ExTR21.0060/00**

File Reference: **21/0234**