1 # EU - TYPE EXAMINATION CERTIFICATE

2 **Component Intended for use on/in an Equipment or Protective System**
Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU

3 EU - Type Examination Certificate Number: **Baseefa16ATEX0039U – Issue 4**

3.1 In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016.

4 Product: **C25-100-Metal / C3/4-100-Metal Connection Kit**

5 Manufacturer: **Chemelex LLC**

6 Address: **899 Broadway Street, CA, 94063-3104, USA**

7 This re-issued certificate extends EC Type Examination Certificate No. **Baseefa16ATEX0039U** to apply to product designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

8 SGS Fimko Oy, Notified Body number 0598, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that the product, as modified by this supplementary certificate, 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 the Directive.

8.1 The original certificate was issued by SGS Baseefa Ltd (UK Notified Body 1180). It, and any supplements previously issued by SGS Baseefa Ltd have been transferred to the supervision of SGS Fimko Oy (EU Notified Body 0598). The original certificate number is retained.

The examination and test results are recorded in confidential Report No. **See certificate history.**

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

EN IEC 60079-0:2018 EN 60079-1:2014 EN IEC 60079-7:2015 +A1: 2018 EN 60079-31:2014

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

10 The sign "U" is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.

11 This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of the product shall include the following:

Ⓔx II 2 GD Ex eb IIC Gb or Ex db IIC Gb
Ex tb IIIC Db

SGS Baseefa Customer Reference No. **865** Project File No. **23/0333**

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S003 (EN ISO/IEC 17065)

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SGS Fimko Oy

13 # Schedule

14 ## Certificate Number Baseefa16ATEX0039U – Issue 4

15 Description of Product

The C25-100-Metal / C3/4-100-Metal 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 a C1 Core Sealer to Baseefa15ATEX0194U and a cable gland to Sira01ATEX1270X. The cable gland is either brass or stainless steel. The connection kit comes in two forms:

The C25-100-Metal connection kit utilizes a M25 cable gland.

The C3/4-100-Metal connection kit utilizes a ¾ inch NPT cable gland.

Both variants can be Nickel Plated and are designated with a –NP suffix.

The kit contains:

- 1 gland
- 1 grommet
- 1 locknut
- 1 washer
- 1 insulation sleeve (green/yellow) for insulating the braid/ground wire.

16 Report Number

See certificate history.

17 Schedule of Limitations

1. The service temperature of the C25-100-METAL / C3/4-100-METAL Connection Kit is -60°C to +180°C.
2. When the C25-100-METAL / C3/4-100-METAL 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-METAL / C3/4-100-METAL Connection Kit is fitted. No dielectric breakdown shall occur. (Alternatively, an insulation resistance test may be undertaken in accordance with EN 60079-30-2.)
4. The integral C1 Core Sealer shall be installed inside an Ex equipment certified enclosure.

18 Essential Health and Safety Requirements

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
1.2.7	LVD type requirements
1.2.8	Overloading of equipment (protection relays, etc.)
1.4.1	External effects
1.4.2	Aggressive substances, etc.

19 Drawings and Documents

New drawings submitted for this issue of certificate:

Number	Sheet	Issue	Date	Description
K-160404-1[ii]	1 of 1	C	09/10/2025	FRONT – Polybag printing for Connection Kits: C25-21, C25-100, C25-100-METAL, C25-100-METAL-NP, C3/4-METAL, C3/4-METAL-NP

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Date	Description
906567[i]	1 of 1	P	05/21/21	C25-21, C25-100 and C25-100-METAL-XX, C3/4-100-METAL-XX CONNECTION KITS

i. This drawing is common to IECEx BAS 16.0040U, IECEx BAS 16.0041U, IECEx 16.0042U, IECEx BAS 20.0008X, IECEx BAS 20.0009X, IECEx BAS 20.0011X, IECEx BAS 20.0012X, IECEx BAS 20.0013X, IECEx BAS 20.0014X, Baseefa16ATEX0037U, Baseefa16ATEX0038U, Baseefa16ATEX0039U, SGS20ATEX0045X, SGS20ATEX0046X, SGS20ATEX0048X, SGS20ATEX0049X, SGS20ATEX0050X, SGS20ATEX0051X and is held with IECEx BAS 16.0040U.

ii. This drawing is common to IECEx BAS 16.0040U, IECEx BAS 16.0041U, IECEx BAS 16.0042U, Baseefa16ATEX0037U, Baseefa16ATEX0038U, Baseefa16ATEX0039U, BAS21UKEX0504U, BAS21UKEX0505U, BAS21UKEX0506U and is held with IECEx BAS 16.0040U.

20 Certificate History

Certificate No.	Date	Comments
Baseefa16ATEX0039U	6 July 2016	To release the prime certificate. The associated test and assessment against the requirements of EN 60079-0:2012+A11:2013, EN 60079-7:2015 and EN 60079-31:2014 is documented in Test Report No. GB/BAS/ExTR16.0087/00.
Baseefa16ATEX0039U/1	16 January 2019	To confirm the certificate is now held in the name of nVent Thermal LLC and to update the product marking label to show the name of nVent Thermal LLC. Baseefa Certification Report GB/BAS/ExTR18.0101/00 refers.
Baseefa16ATEX0039U/2	21 December 2020	To assess the C25-100-METAL / C3/4-100-METAL Connection Kit against EN IEC 60079-0:2018 and EN IEC 60079-7:2015+A1:2018. To lower the minimum service temperature to -60°C and to amend the schedule of limitations accordingly. Baseefa Certification Report GB/BAS/ExTR20.0176/00 refers.
Baseefa16ATEX0039U Issue 3	7 July 2021	To allow the HTV heating cable to be used with the connection kit. To allow the equipment to be alternatively marked 'Ex db IIC Gb'. Baseefa Certification Report GB/BAS/ExTR21.0060/00.
Baseefa16ATEX0039U Issue 4	11 December 2025	To amend the nameplates to accommodate UKEX certificate numbers and change manufacturers name. SGS certification report GB/SGS/ExTR24.0119/00 refers.
For drawings applicable to each issue, see original of that issue.		