1 # UK-TYPE EXAMINATION CERTIFICATE

2 **Component Intended for use on/in a Product or Protective System Intended for use in Potentially Explosive Atmospheres**
UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

3 UK-Type Examination Certificate Number: **BAS21UKEX0505U Issue 0**

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

5 Manufacturer: **Chemelex LLC**

6 Address: **899 Broadway Street, CA, 94063-3104 United States of America**

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

8 SGS United Kingdom Ltd. (formerly SGS Baseefa Ltd.), Approved Body number 1180, in accordance with Regulations 42 and 43 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), 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 Schedule 1 of the Regulations.

The examination and test results are recorded in a confidential report identified in the revision table at item 20.

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 the basis for certification of an equipment or protective system.

11 This UK-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations 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:

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

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

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UKAS PRODUCT CERTIFICATION
0191

D BREARLEY
LEAD CERTIFICATION ENGINEER
On behalf of SGS United Kingdom Limited

13 # Schedule

14 ## Certificate Number BAS21UKEX0505U – Issue 0

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 Item 20 – 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
13	LVD type requirements
14	Overloading of equipment (protection relays, etc.)
21 (1)	External effects
21 (2)	Aggressive substances, etc.

19 Drawings and Documents

Other than for Issue 0, Drawings and Documents that are introduced at a new edition of the certificate are marked with an asterisk symbol:

Number	Sheet	Issue	Date	Description
K-160404-1[i]	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
Baseefa16ATEX0039U				

i. 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
BAS21UKEX0505U Issue 0	11 December 2025	**Prime Certificate** **Report Number: 23(C)0333** **Project Number: 23/0333** **Original issue of the certificate**
For drawings applicable to each issue, see original of that issue.		