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 16.0042U**

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Certificate history:

Status: **Current**

Issue No: 6

Issue 5 (2025-12-11)
Issue 4 (2021-07-12)
Issue 3 (2021-05-11)
Issue 2 (2020-12-22)
Issue 1 (2019-01-16)
Issue 0 (2016-03-10)

Date of Issue: 2026-02-05

Applicant: **Chemelex LLC**
899 Broadway St.
Redwood City CA 94063
United States of America

Ex Component: C25-100-Metal / C3/4-100-Metal 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 or Ex db IIC Gb**
Ex tb III C Db

Approved for issue on behalf of the IECEx Certification Body: **D Brearley**

Position: **Lead Certification Engineer**

Signature: (for printed version)



Date: (for printed version) 5/2/2026

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

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Manufacturer: **Chemelex LLC**
899 Broadway St.
Redwood City CA 94063
United States of America

Manufacturing locations: **Chemelex LLC**
899 Broadway St.
Redwood City CA 94063
United States of America

Intermex Manufactura S.A de C.V.
Calle Los Sauces no 2051,
colonia Villa Florida,
en el Parque Industrial Villa Florida
Reynosa
Tamaulipas 88715
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 component 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 Edition:7.0	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-1:2014 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31:2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7:2017 Edition:5.1	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

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 component listed has successfully met the examination and test requirements as recorded in:

Test Reports:

GB/BAS/ExTR16.0087/00
GB/BAS/ExTR18.0101/00
GB/BAS/ExTR20.0176/00
GB/BAS/ExTR21.0060/00
GB/SGS/ExTR24.0119/00

Quality Assessment Reports:

GB/BAS/QAR06.0030/11
GB/BAS/QAR21.0014/02

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

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 IECEx BAS 15.0137U and a cable gland to IECEx SIR 05.0020X. 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.

SCHEDULE OF LIMITATIONS:

1. The service temperature range for 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 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 6.1

To update alternative manufacturer's name

Variation 6.2

QAR update

File Reference: **26/0104**