



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

Certificate No.:	IECEX TRC 12.0005X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 3	Issue 2 (2021-05-26)
Date of Issue:	2024-12-19		Issue 1 (2012-10-05)
Applicant:	JCE Group East Way Lee Mill Industrial Estate Ivybridge Devon PL21 9LL United Kingdom		Issue 0 (2012-06-01)
Equipment:	Flameproof Enclosures - GUBC, GUBT, GUBHC, GUF2C and GUF2T Series Enclosures		
Optional accessory:			
Type of Protection:	Flameproof 'd', dustproof 't'		
Marking:	Ex db IIC T4 / T5 / T6 Gb		
	Ex tb IIIC T130°C / T95°C / T80°C Db		

Approved for issue on behalf of the IECEx
Certification Body:

Stephen Winsor

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

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:

Element Materials Technology
Unit 1 Pendle Place
Skelmersdale
West Lancashire





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Manufacturer: **JCE Group**
East Way
Lee Mill Industrial Estate
Ivybridge
Devon
PL21 9LL
United Kingdom

Manufacturing locations: **JCE (Europe) Ltd**
East Way
Lee Mill Industrial Estate
Ivybridge
Devon
PL21 9LL
United Kingdom

JCE Group (UK) Limited
Blackburn Business Park
Aberdeen
AB21 0PS
United Kingdom

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 60079-1:2007](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:6

[IEC 60079-31:2008](#) Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'
Edition: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/TRC/ExTR12.0005/00](#)

[GB/TRC/ExTR12.0005/01](#)

[GB/TRC/ExTR12.0005/02](#)

Quality Assessment Reports:

[GB/ITS/QAR11.0014/07](#)

[GB/SIR/QAR10.0001/09](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The GUB Series enclosures are flameproof enclosures designed to be fitted with a variety of internal equipment. Typical equipment fitted is detailed on drawing A3C-3003.

The equipment model designations are as follows:

GUB (H) (S) (T) (C) 1-5

Where:

H - Windowed Lid (not present – solid lid).

S - Stainless Steel enclosure (GUBS3/GUBHS3 only).

T - Terminal enclosure.

C - Equipment enclosure.

They consist of a range of enclosures of varying sizes manufactured from LM25 aluminium alloy. The GUB designation denotes that the enclosures are fitted with solid aluminium threaded lids.

The GUBH designation denotes the use of lids with a cemented viewing window. These are designed to accommodate instrument type equipment.

The GUB3 / GUBH3 size enclosure can also be manufactured from stainless steel. This version enclosure is designated GUBS3 / GUBHS3.

The enclosures may be painted or powder coated.

The GUFX2 enclosure is a flameproof enclosure designed for use with a variety of internal equipment (GUFX2C) or terminals (GUFX2T). The enclosure is manufactured from LM25 aluminium alloy. The enclosure is fitted with a solid aluminium threaded lid. Typical equipment fitted is detailed on drawing A3C-3005.

For both the GUB Series and the GUFX2 enclosures, the equipment was evaluated for use with gas group IIC and dust group III C within a temperature range of -40°C to +40°C and -40°C to +60°C (or any temperature within these limits).

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Where painted or powder coated, the enclosures could present an electrostatic hazard. Clean only with a damp or anti-static cloth.
2. For equipment with temperature class T5 or T4, cables must be suitable for use at temperatures of 100 °C (T5) or 135 °C (T4).
3. Only suitably ATEX certified cable glands and blanking elements shall be used.
4. As part of the routine maintenance schedule, the condition of the window cement shall be periodically inspected for any degradation or discolouration of the cement that may compromise the explosion protection.
5. The enclosure is also to be earthed externally using the earth point provided.
6. Where internal intrinsically safe equipment is fitted, refer to the instructions for permitted category, equipment protection level and gas group.
7. Flamepath repair must not be carried out by the end user.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

New cell types added. RF energy sources now permitted. Ex code updated. Specific Condition of Use added.

Annex:

[Annex to CoC IECEx TRC 12.0005X is 3.pdf](#)



**Element Materials Technology,
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West Lancashire, WN8 9PN,
United Kingdom**

Annex to IECEx Certificate of Conformity

IECEx TRC 12.0005X issue No.: 3

Routine Tests
1. None.

Manufacturer's Documents			
Title:	Drawing No.:	Rev. Level:	Date:
Certification Drawings – GUB Series Equipment Enclosures (8 sheets)	A3C-3003	3	2024-09-27
Installation, Operation and Maintenance Manual (3 sheets)	-	2	2024-05-16
Terminal Calculation Spreadsheet	A3C-3011	1	2012-05-23
Adhesive Datasheet	10-1096G-01	-	2008-11-21
Certification Drawings – GUF2 Enclosures to Exd IIC (2 sheets)	A3C-3005	1	2012-09-12
Installation, Operation and Maintenance Manual (GUF2 instructions – 2 sheets)	-	1	2012-06

* Denotes information not provided by manufacturer



Attention is drawn to the operating and installation instructions which may contain useful information in relation to conditions of use.