



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx BAS 12.0014X issue No.:1

Certificate history:
Issue No. 1 (2012-5-16)
Issue No. 0 (2012-2-27)

Status: **Current**

Date of Issue: 2012-05-16 Page 1 of 4

Applicant: **iLECSYS**
Unit 4 Tring Industrial Estate
Upper Ickenfield Way
Tring
HP23 4JX
United Kingdom

Electrical Apparatus: **Range of GRP Terminal Boxes**
Optional accessory:

Type of Protection: **Increased safety 'e', Protection by enclosure 't'**

Marking: **Ex e IIC T6 Gb**
Ex tb IIIC T85°C Db IP66

(-50°C ≤ Ta ≤ +°C) * Refer to equipment description..**

Approved for issue on behalf of the IECEx
Certification Body:

pp R S Sinclair *MPOWNEY*

Position:

General Manager

Signature:
(for printed version)

MPOWNEY

Date:

16/5/12

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 the Official IECEx Website.

Certificate issued by:

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





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Manufacturer: **iLECSYS**
Unit 4 Tring Industrial Estate
Upper Ickenfield Way
Tring
HP23 4JX
United Kingdom

Manufacturing location(s):

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 electrical apparatus 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 : 2007-10** Explosive atmospheres - Part 0: Equipment - General requirements
Edition: 5
- IEC 60079-31 : 2008** Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'
Edition: 1
- IEC 60079-7 : 2006-07** Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition: 4

*This Certificate **does not** indicate compliance with electrical 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 Report:

GB/BAS/ExTR12.0020/00

Quality Assessment Report:

GB/BAS/QAR12.0007/00



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The range of GRP terminal boxes consists of a range of empty enclosures that are component certified fitted with component certified terminals.

Refer to the certificate annex for the full description.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. All unused cable entries shall be fitted with a blanking element. The permitted component certified blanking elements for this terminal box are listed on this certificate above.
2. The end user must ensure that a minimum ingress protection of IP66 is achieved at each entry to the enclosure by use of a suitable IECEx/ATEX certified blanking element or cable entry device. The blanking element or cable entry device must be fitted with a sealing washer. If the ingress protection of the enclosure is lower than IP66, or the device fitted has a rating lower than IP66, then the overall rating of the enclosure will be restricted to the lowest rating. A minimum rating of IP54 is required for gas applications and a minimum of IP6X is required for dust applications.
3. When used in dust atmospheres any dust layers occurring shall have a maximum depth of no greater than 5mm.
4. The user may only drill entry holes into the terminal box faces and the earth continuity plate in the permitted positions verified by the manufacturer. When the earth continuity plate is drilled with a clearance hole and thus the plate is provided with no anti-rotation dimples, the end user shall be responsible for ensuring that a shake proof washer or similar device is fitted between the earth plate and locknut.
5. All terminal screws, used or unused, shall be fully tightened down by the end user.
6. The insulation of installed conductors must extend to within 1mm of the metal part of the given terminal throat, unless otherwise specified on the terminal component certificate.
7. All terminals and associated accessories i.e. cross-connectors shall be installed in accordance with the instructions of the terminal manufacturer and the terminal box.
8. Only one single or stranded conductor shall be connected to either side of any terminal fitted within the terminal box, unless otherwise indicated on the relating terminal component certificate.
9. The maximum current, voltage and dissipated power specified on the rating label must not be exceeded for the terminal box. When there is more than one type of terminal fitted the maximum current and voltage shown on the internal label given for each terminal must not be exceeded.
10. If a conductor is installed with a cross-sectional-area less than the rated cross-sectional-area for the given terminal (as shown on the terminal component certificate) then the maximum current value for the terminal shall be de-rated accordingly. Guidance should be taken from the manufacturer in this situation.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Variation 1.1

To amend 'Conditions of Certification' No. 3 to correct a typographical error.