



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 BAS 14.0059X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 2 Issue 1 (2018-02-27)
Issue 0 (2015-03-02)
Date of Issue: 2021-12-06
Applicant: **Longvale Limited**
Lancaster Park
Needwood
Burton-upon-Trent
Staffordshire
DE13 9PD
United Kingdom
Equipment: **Euroswitch Type JB-132C Junction Box**
Optional accessory:
Type of Protection: **Flameproof & Dust (by Enclosure)**
Marking: **Ex db IIC T6* Gb**
Ex tb IIIC T85°C* Db (Ta -20°C to +60°C)* IP6X
*** alternative marking permitted – see schedule**

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

Technical Manager

Signature:
(for printed version)

Date:

6/12/2021

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





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Issue No: 2

Manufacturer: **Longvale Limited**
Lancaster Park
Needwood
Burton-upon-Trent
Staffordshire
DE13 9PD
United Kingdom

Additional
manufacturing
locations:

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 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014-06](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

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/BAS/ExTR14.0122/00](#)

[GB/BAS/ExTR18.0039/00](#)

[GB/BAS/ExTR21.0179/00](#)

Quality Assessment Report:

[GB/SIR/QAR07.0013/12](#)



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Issue No: 2

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Type JB-132C Junction Box is manufactured in stainless steel and comprises a small circular enclosure with a threaded cover, locked by a M4 x 6mm long socket head screw.

The box houses up to six un-mounted terminal blocks, together with an internal and external earth connection.

Up to four M20 cable entries are provided to accommodate suitably certified flameproof cable entry devices.

Variation 0.1

A Type JB-132A Terminal Box constructed as above except for one threaded cable entry being replaced by plain thorough hole (and locking screw) to accept a specific cable bushing/adaptor arrangement, as used with specific Switch Units supplied and fitted by the manufacturer.

Units with the suffix 'B' are identical to those suffixed 'A' except for the fitment of an additional external mounting bracket

Variation 0.2

Alternatively the box may be provided with up to four 1/2" NPT cable entries to form a Type JB-232* Junction Box, or 3/4" NPT cable entries to form a Type JB-332* Junction Box (where * indicates A/B/C suffix).

Variation 0.3

The units may be marked with the following alternative temperature class and ambient temperature combinations:-

T6/T85°C - (Ta -20°C to +60°C)

T5/T100°C - (Ta -60°C to +85°C)

T4/T135°C - (Ta -60°C to +120°C)

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. When used in dust atmospheres the installer shall ensure that the cable entry threads are sealed to maintain the IP6X rating.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Variation 2.1

To assess the equipment listed above against IEC 60079-0:2017 Edition 7.0, IEC 60079-1:2014-06 Edition 7.0 and IEC 60079-31:2013 Edition 2.

ExTR: **GB/BAS/ExTR21.0179/00**

File Reference: **21/0380**