

1 **UK-TYPE EXAMINATION CERTIFICATE**

2 **Equipment 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: **BAS21UKEX0755X**

4 Product: **Euroswitch Type JB-132C Junction Box**

5 Manufacturer: **Longvale Limited**

6 Address: **Lancaster Park, Needwood, Burton-upon-Trent, Staffordshire, DE13 9PD**

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

8 SGS Baseefa, Approved Body number 1180, in accordance with Regulation 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 confidential Report No. **GB/BAS/ExTR21.0179/00**

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 60079-31:2014**

except in respect of those requirements listed at item 18 of the Schedule.

10 If the sign “X” is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

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 db IIC T6\* Gb, Ex tb IIIC T85°C\* Db (Ta -20°C to +60°C)\* IP6X**

**\* alternative Temperature Class and ambient temperature marking are permitted – see schedule**

SGS Baseefa Customer Reference No. **5323**

Project File No. **21/0380**

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**SGS Baseefa Limited**

Rockhead Business Park, Staden Lane,  
Buxton, Derbyshire SK17 9RZ

Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601  
e-mail [baseefa@sgs.com](mailto:baseefa@sgs.com) web site [www.sgs.co.uk/sgsbaseefa](http://www.sgs.co.uk/sgsbaseefa)

Registered in England No. 4305578.

Registered address: Rossmore Business Park, Ellesmere Port, Cheshire, CH65  
3EN



**R S SINCLAIR**  
**TECHNICAL MANAGER**  
On behalf of SGS Baseefa Limited

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## Schedule

14

**Certificate Number BAS21UKEX0755X**

### 15 Description of Product

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 through 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)

### 16 Report Number

SGS Baseefa certification report GB/BAS/ExTR21.0179/00.

### 17 Specific Conditions of Use

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

### 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
1.2.7	LVD type requirements
1.2.8	Overloading of equipment (protection relays, etc.)
1.4.1	External effects
1.4.2	Aggressive substances, etc.

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**19 Drawings and Documents**

<b>Number</b>	<b>Sheet</b>	<b>Issue</b>	<b>Date</b>	<b>Description</b>
LAB 03		06	28/10/21	Marking Detail, JB-132
LAB 04		07	28/10/21	Marking Detail, JB-232/332

For all other drawings refer to Baseefa14ATEX0120X Issue 2 and IECEx BAS 14.0059X Issue 2.

This drawing is common to Baseefa14ATEX0120X and IECEx BAS 14.0059X and is held with the latter.