

1 **EU - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU**

3 EU - Type Examination Certificate **Baseefa14ATEX0120X – Issue 2**
Number:

3.1 In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016.

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 re-issued certificate extends EC Type Examination Certificate No. **Baseefa14ATEX0120X** to apply to product designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

8 SGS Fimko Oy, Notified Body number 0598, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, 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 Annex II to the Directive.

8.1 The original certificate was issued by SGS Baseefa Ltd (UK Notified Body 1180). It, and any supplements previously issued by SGS Baseefa Ltd have been transferred to the supervision of SGS Fimko Oy (EU Notified Body 0598). The original certificate number is retained.

The examination and test results are recorded in confidential Report No. **See certificate history.**

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 EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive 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 markings are permitted – see schedule**

SGS Fimko Oy Customer Reference No. **5323**

Project File No. **21/0380**

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Schedule

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Certificate Number Baseefa14ATEX0120X – Issue 2

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

See certificate history.

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.

19 Drawings and Documents

New drawings submitted for this issue of certificate:

Number	Sheet	Issue	Date	Description
LAB03 ⁱ		06	28/10/21	JB-132 Marking Details
LAB04 ⁱ		07	28/10/21	JB-232/332 Marking Details
GA-026 ⁱ		A1	18/11/2021	JB-X015 / JB-X016

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Date	Description
BOD3 ⁱ		07	05/01/15	Body, JB-132C
BOD4 ⁱ		07	07/01/15	Body, JB-232C/332C
BOD 5 ⁱ		07	10/02/15	Body, JB-132A
LID 2 ⁱ		06	10/02/15	Threaded Cover
ADAPTOR 32 ⁱⁱ		02	19/03/14	Bushing/Adaptor
40-108 ⁱ		G	05/12/2017	75mm Junction Box Lid 132/232
40-123 ⁱ		E2	16/01/2018	75mm Junction Box
40-125 ⁱ		E2	16/01/2018	75mm Junction Box
40-128 ⁱ		E2	16/01/2018	75mm Junction Box
40-133 ⁱ		E2	16/01/2018	75mm Junction Box
40-135 ⁱ		E2	16/01/2018	75mm Junction Box
40-138 ⁱ		E2	16/01/2018	75mm Junction Box
GA-026 ⁱ		A	17/01/2018	JB-X015 / JB-X016

- i) These drawings are common to BAS21UKEX0755X and held with IECEX BAS 14.0059X.
- ii) This drawing is common to IECEX BAS 14.0121X, Baseefa14ATEX0256X and BAS21UKEX0756X (in addition to IECEX BAS 14.0059X and BAS21UKEX0755X) and is held with IECEX BAS 14.0121X

20 Certificate History

Certificate No.	Date	Comments
Baseefa14ATEX0120X	27 February 2015	The release of the prime certificate. The associated test and assessment against the requirements of EN 60079-0:2011, EN 60079-1:2007 and EN 60079-31 is documented in Test Report No. GB/BAS/ExTR14.0122/00.
Baseefa14ATEX0120X/1	27 February 2018	To permit the option to screw the terminal block to the base of the enclosure. to permit alternative customer special part numbers, JB-X016 for metric threaded version and JB-X015 for the NPT threaded version. Baseefa certification report GB/BAS/ExTR18.0039/00 refers.
Baseefa14ATEX0120X Issue 2	3 December 2021	To assess the equipment against EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-31:2014. SGS Baseefa certification report GB/BAS/ExTR21.0179/00 refers.
For drawings applicable to each issue, see original of that issue.		