



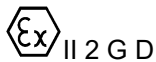
## EU Type Examination Certificate CML 15ATEX3152 Issue 2

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Equipment **Extension Range of Junction Boxes**
- 3 Manufacturer **Elecex Ltd.**
- 4 Address 1 Castle Road  
Falkirk  
FK2 7UY, UK
- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- 6 CML B.V. , Chamber of Commerce No 6738671, Hoogoorddreef 15, Amsterdam, 1101 BA, The Netherlands, Notified Body Number 2776, 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 equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.  
  
The examination and test results are recorded in the confidential reports listed in Section 12.

- 7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to conditions of safe use (affecting correct installation or safe use). These are specified in Section 14.
- 8 This EU Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 2014/34/EU Article 13 apply to the manufacture of the equipment or component and are separately certified.
- 9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:

EN 60079-0:2012      EN 60079-1:2014      EN 60079-7:2007      EN 60079-18:2015  
EN 60079-31:2014

- 10 The equipment shall be marked with the following:



Ex db eb mb\* IIB/IIC\*\* T6 or T5\*\*\* Gb

Ex tb IIC T85°C or T100°C\*\*\* Db

Ta= -20°C or -40°C to +40°C or +55°C

\* 'mb' is marked on the 0V and ESD units

\*\* IIC is marked when a minimum ambient of -20°C is applied. IIB is marked when a minimum ambient of -40°C is applied.

\*\*\* T6/T85°C is marked when a maximum ambient of +40°C is applied. T5/T100°C is marked when a maximum ambient of +55°C is applied

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## **11 Description**

There are three extension junction box arrangements covered by this certification; the Basic Extension, the 0V Extension and the ESD Extension. The ESD Extension (Emergency Shut-Down) features a separate previously certified ESD controller as an accessory. The units are described individually below:

### **Basic Extension**

The Basic Extension Unit comprises of a component approved increased safety plastic enclosure, which may be mounted in a metal frame. There are four power sockets mounted on the walls of the enclosure. When the metal frame is used, this part is earthed via a wire connected to a tab mounted around the gland. Strain relief for the cable is provided by a P-clip mounted on the frame. At the opposite end of the factory installed cable there is an equipment approved plug.

Connections to external circuits are made by the end user by fitting the corresponding plugs/sockets to those provided on the equipment.

The maximum electrical ratings are 250 Vac, 16 A.

### **0V Extension**

The 0V Extension Unit comprises of two component approved increased safety plastic enclosures mounted adjacent to each other and which may be mounted in a metal frame.

When the metal frame is used, this part is earthed via a wire connected to a tab mounted around the gland. Strain relief for the cable is provided by a P-clip mounted on the frame. At the opposite end of the factory installed cable there is an equipment approved plug.

The 0V Extension contains an assortment of terminals, contactors, switches and fuses to distribute and control the power supply to attached equipment.

The 0V Extension has four power sockets mounted on the walls of the enclosure and one earthed metal connector. The metal connector is to allow connection of a controlling device which can be used to remotely de-energise the sockets on the 0V Extension by applying/removing a healthy signal to the 0V Extension, power to the control circuit is supplied by the controlling device.

Connections to external circuits are made by the end user by fitting the corresponding plugs/sockets to those provided on the equipment.

The maximum electrical ratings are 250 Vac, 16 A.

### **ESD Extension**

The ESD Extension is the same as the 0V Extension in all aspects apart from the metal connector which connects to a separately ATEX and IECEx certified ESD controller. Unlike the 0V Extension, the ESD Extension provides power to the control circuit.



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### Variation 1

This variation introduces the following modifications:

- i. To change the manufacturer address/name.
- ii. To update the certificate reference to the 2014/34/EU Directive.

### Variation 2

This variation introduces the following modifications:

- i. To change the manufacturer's address.
- ii. The issue of a CML B.V. certificate.

## 12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	09 Dec 2015	R729A/00	Issue of initial certificate
1	02 Nov 2016	R1595A/00	To introduce variation 1
2	08 Nov 2018	R12049A/00	To introduce variation 2

Note: Drawings that describe the equipment or component are listed in the Annex.

## 13 Conditions of manufacture

The following conditions are required of the manufacturing process for compliance with the certification.

- 13.1 The equipment covered by this certificate includes previously certified devices. It is the manufacturer's responsibility to continually monitor the status of these certified devices. These devices shall be installed in accordance with their certificates, instruction manuals and with EN 60079-14. The manufacturer shall also inform Certification Management Limited of any changes to these devices that may impact upon the explosion safety aspects of their equipment. A copy of the appropriate certification documentation for these devices shall be provided to the end user.
- 13.2 Each unit shall be subjected to a routine dielectric strength test in accordance with EN 60079-7:2007, clause 7.1. A test voltage of 1500 V r.m.s. shall be applied for 1 minute. Alternatively, a test voltage of 1800 V r.m.s. shall be maintained for 100 ms. No dielectric breakdown or flashover shall occur.

## 14 Specific Conditions of Use (Special Conditions)

None.



## Certificate Annex

**Certificate Number** CML 15ATEX3152  
**Equipment** Extension Range of Junction Boxes  
**Manufacturer** Elecex Ltd

The following documents describe the equipment or component defined in this certificate:

### Issue 0

Drawing No	Sheets	Rev	Approved date	Title
001-D1-A	1 to 2	A	09 Dec 2015	Extension General Arrangement
001-D2-A	1 to 2	A	09 Dec 2015	Schedule Wiring
001-R2-A	1 to 3	A	09 Dec 2015	Main Component Bill of Materials
001-D17-A	1 of 1	A	09 Dec 2015	Label drawing

### Issue 1

Drawing No	Sheets	Rev	Approved date	Title
001-D17-B	1 of 1	A	09 Dec 2015	Label drawing

### Issue 2

Drawing No	Sheets	Rev	Approved date	Title
001-D17-C	1 of 1	C	08 Nov 2018	Label drawing