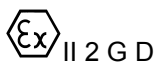




## EU Type Examination Certificate CML 15ATEX3096U Issue 1

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Component **MV Terminal**
- 3 Manufacturer **Abtech Ltd.**
- 4 Address Lower Don Valley,  
Sheffield,  
S9 2QJ  
United Kingdom
- 5 The component is specified in the description of this certificate and the documents to which it refers.
- 6 Certification Management Limited, Unit 1 Newport Business Park, New Port Road, Ellesmere Port CH65 4LZ, UK, Notified Body Number 2503, 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 The 'U' suffix after the certificate number indicates that the component 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:A11:2013                      EN 60079-7:2015                      EN 60079-31:2014
- 10 The equipment shall be marked with the following:



Ex eb IIC Gb

*A Snowden*



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## 11 Description

The MV Terminal is manufactured from a fibreglass reinforced polyester material. There are two connection studs per terminal that are connected via a copper current bar. Cable connection is via lugs that are held in place with a single nut and split locking washer. The nut shall be tightened to a torque of 6 to 12 Nm.

The maximum current rating is 250 A, the voltage rating and cables size vary depending on application and are detailed in drawings ABT29448 and ABT29513.

<b>Operating Temperature range</b>
-40°C to 130°C

### Variation 1

This variation introduces the following modifications:

- To update the certificate to refer to the 2014/34/EU Directive.
- To update EN 60079-7:2007 standard to the latest edition, EN 60079-7:2015
- To update the marking to reflect the latest edition of EN 60079-7:2015
- Standard reference in a Condition of manufacture updated to show EN 60079-7:2015

## 12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	27 Aug 2015	R568A/00	Issue of prime certificate
1	22 Aug 2016	R976B/00	Introduction of Variation 1

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 Where the product incorporates certified parts or safety critical components the manufacturer shall ensure that any changes to those parts or components do not affect the compliance of the certified product that is the subject of this certificate.
- 13.2 A routine electric strength test of 14.2 kV shall be performed on each terminal in accordance with EN 60079-7:2015, Clause 7.1.
- 13.3 A copy of this certificate shall be supplied with each terminal assembly.
- 13.4 A copy of drawing ABT29448 shall be supplied with each terminal.



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#### **14 Special Conditions for Safe Use (Conditions of Certification)**

The following conditions relate to safe installation and/or use of the equipment.

- 14.1 The terminal assembly shall be installed in a suitably approved enclosure with a minimum of IP54 for Gas and IP6X for dust applications.
- 14.2 When incorporated into equipment, the terminals shall be suitably installed so as to be protected from mechanical strain from the cables pulling.

## Certificate Annex

**Certificate Number** CML 15ATEX3096U  
**Equipment** MV Terminal  
**Manufacturer** Abtech Ltd.



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

### Issue 0

Drawing No	Sheets	Rev	Approved date	Title
ABT29441	1 of 1	A	27 Aug 2015	MV Terminal Assembly
ABT29448	1 of 1	A	27 Aug 2015	MV Terminal Stacked Lugs Voltage ratings
ABT29513	1 of 1	A	27 Aug 2015	MV Terminal Standard Voltage Ratings

### Issue 1

Drawing No	Sheets	Rev	Approved date	Title
ABT29441	1 of 1	B	19 Aug 2016	MV Terminal Assembly