

# 1 EU - TYPE EXAMINATION CERTIFICATE

## 2 Product or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU – Annex III

- 3 EU - Type Examination Certificate No.: **TRAC14ATEX0056X (incorporating variations V1 to V3)**
- 4 Product: **RF Connector, iSOLATE-CT-01 & Isolate-CT-02**
- 5 Manufacturer: **Extronics Ltd**
- 6 Address: **1 Dalton Way, Midpoint 18, Middlewich, Cheshire, CW10 0HU,  
United Kingdom**

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

8 Element Materials Technology, Notified Body number 2812, 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. The examination and test results are recorded in the confidential report **TRA-033180-33-00A**

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 60079-0:2012/A11:2013    EN 60079-1:2007    EN 60079-31:2014**

Except in respect of those requirements listed at section 18 of the schedule.

10 If the sign "X" is placed after the certificate number, it indicates that the product is subject to 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 this product shall include the following:

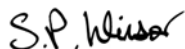
 **I M2 Ex d I Mb    Ta -60 °C to +150 °C**

**II 2 G D**

**Ex d IIC Gb**

**Ex tb IIIC Db**

This certificate and its schedules may only be reproduced in its entirety and without change. This certificate is issued in accordance with the Element Materials Technology Ex Certification Scheme.



S P Winsor, Certification Manager

Issue date: 2019-11-01

Page 1 of 5

CSF355-NL 1.0

**13 SCHEDULE TO EU - TYPE EXAMINATION CERTIFICATE**

**14 TRAC14ATEX0056X (incorporating variations V1 to V3)**

**15 Description of Product**

The iSOLATE-CT is an RF connector bushing for use with Flameproof and Dust-tight enclosures. The iSOLATE-CT is designed for the connection of an intrinsically safe signal from within the enclosure which allows for the transit of the intrinsically safe signals through the enclosure wall whilst maintaining the flameproof or dust-tight properties of the enclosure.

When the iSOLATE-CT is fitted to the enclosure the end user will be presented with an external N-type RF connector to allow for easy connection of antennas and RF cables. The supply to the iSOLATE-CT from within the enclosure must only be sourced from by a suitably rated and Ex approved intrinsically safe supply. Internally the fitting is sealed by a glass to metal seal which is either braized or electron beam welded between the seal and conector body.

Designed to be screwed into Flameproof or Dust-tight enclosures the iSOLATE-CT can be supplied in two thread variants:

- iSOLATE-CT-01: M20 x1.5 threads
- iSOLATE-CT-02: 3/4 NPT threads

**16 Test report No. (associated with this certificate issue):** None.

**17 Specific Conditions of Use**

1. The iSOLATE-CT RF connector must only be used in conjunction with suitably rated and ATEX/IECEx approved intrinsically safe apparatus, or associated apparatus, appropriate for the application and Zone in which the equipment is to be installed.
2. If the iSOLATE-CT-01 is installed with a suitable seal it must be ensured that at least 7 full threads are engaged.

**18 Essential Health and Safety Requirements (Directive Annex II)**

In addition to the Essential Health and Safety Requirements covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

<u>Clause</u>	<u>Subject</u>
None	None

**19 Drawings and Documents**

The list of controlled technical documentation is given in Appendix A to this schedule.

**20 Routine Tests**

None.

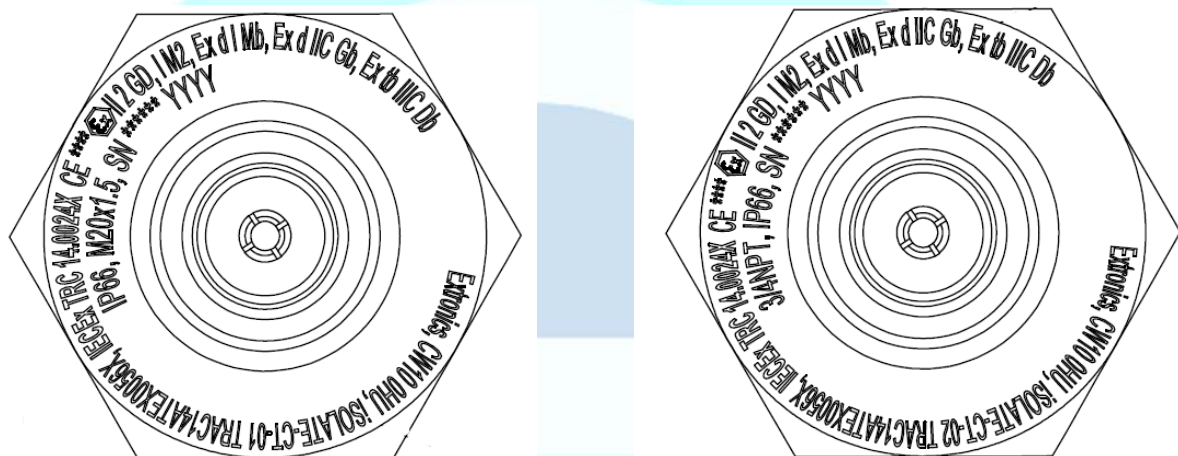
**21 Specific Conditions for Manufacture**

1. Conditions for manufacturing and control of production also apply to the following Trade Agent Certificate: **TRAC15ATEX0001X**

22 Photographs



23 Details of Markings



24 Details of Variations to this Certificate

This certificate is a consolidated certificate and reflects the latest status of the certification, including the following variations:

- Variation V1 – Administrative variation only
- Variation V2 -- The internal joint between the glass to metal seal and connector body was a braized joint. The joint may now be braized or electron beam welded.
- Variation V3 - This certificate was originally issued by Notified Body number 0891 under Directive 2014/34/EU. The technical file has been transferred to Element Notified Body number 2812 without further assessment or evaluation.

**25 Notes to CE marking**

In respect of CE Marking, Element Materials Technology accepts no responsibility for the compliance of the product against all applicable Directives in all applications.

**26 Notes to this certificate**

Element Materials Technology certification reference: NR-EXTQ-0004.

Throughout this certificate, the date format yyyy-mm-dd (year-month-day) is used.

Notified Body number 2812 is the designation for Element Materials Technology Rotterdam BV.

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. Variation 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.

**TA1: TRAC15ATEX0001X**

**27 Conditions for the validity of this certificate**

This certificate remains valid for so long as:

- (i) The equipment listed in section 4 is manufactured in accordance with the documents listed in Appendix A of this certificate.
- (ii) The standards listed in section 9 of this certificate continue to satisfy the Essential Health and Safety Requirements of Annex II of Directive 2014/34/EU and the generally acknowledged state of the art (e.g. as determined by the publishers of those standards).

CONTINUATION OF SCHEDULE TO CERTIFICATE TRAC14ATEX0056X V3

APPENDIX A - TECHNICAL DOCUMENTS

Title:	Drawing No.:	Rev. Level:	Date:
iSOLATE-CT ATEX/IECE <sub>x</sub> CERTIFICATION DRAWING	402437	2.0	2016-10-31
iSOLATE-CT ATEX/IECE <sub>x</sub> MARKING DETAILS	407448	1.0	2014-12-09
CD iSOLATE-CT-XX Safety Manual (6 pages)	407456	1.0	2014-12-09

