

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.: **TRAC15ATEX0001X (incorporating variations V1 to V3)**

4 Product: **RF Connector,
Coax bushings, 9731/110-1 and 9731/110-2**

5 Manufacturer: **R. STAHL Schaltgeräte GmbH**

6 Address: **Am Bahnhof 30, 74638 Waldenburg, Germany**

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-023744-33-01A, TRA-032422-33-00A & TRA-032422-33-01A.**

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:

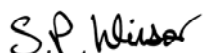
 **I M2 Ex d I Mb Ta = -60°C to +150°C**

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: 2020-05-12

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13 SCHEDULE TO EU - TYPE EXAMINATION CERTIFICATE

14 CERTIFICATE NUMBER TRAC15ATEX0001X (incorporating variations V1 to V3)

15 Description of Product

The Coax bushings, 9731/110-1 and 9731/110-2 are RF connector bushings for use with Flameproof and Dust-tight enclosures. The 9731/110-1 and 9731/110-2 are 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 Coax bushings, 9731/110-1 and 9731/110-2 are 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 9731/110-1 and 9731/110-2 from within the enclosure must only be sourced from by a suitably rated and Ex approved intrinsically safe supply.

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

9731/110-1: M20 x1.5 threads

9731/110-2: 3/4 NPT threads

16 Test Report No. (as added for this issue of the certificate): None.

17 Specific Conditions of Use

1. The Coax bushings, 9731/110-1 and 9731/110-2 RF connectors 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 9731/110-1 is installed with a suitable seal it must be ensured that at least 7 full threads are engaged.



Attention is drawn to the operating and installation instructions which may contain useful information in relation to conditions of use.

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, all other requirements are demonstrated in the relevant reports.

19 Drawings and Documents

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

20 Routine Tests

None.

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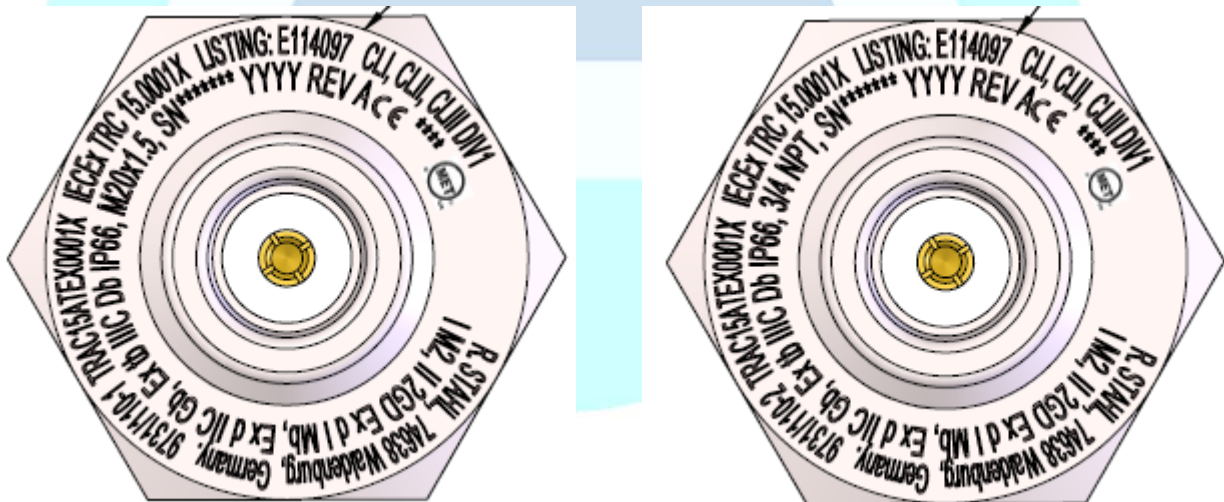
21 Specific Conditions for Manufacture

None.

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 – Non technical change to label drawings.
- Variation V2 – Up-revision of drawing 402437
- 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.

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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-RSSQ-0001).

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.

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).

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APPENDIX A - TECHNICAL DOCUMENTS

Title:	Drawing No.:	Rev. Level:	Date:
iSOLATE-CT STAHL ATEX & IECEX Engraving	412106	4.4	2016-04-29
iSOLATE-CT STAHL ATEX & IECEX Engraving	412107	4.4	2016-04-29
Betriebsanleitung / Operating Instruction	9731 6 031 001 0	3.0	2020-05-12
iSOLATE-CT ATEX/IECEX CERTIFICATION DRAWING	402437	2.0	2016-12-09

