



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx TRC 15.0001X Issue No: 2 Certificate history:
Status: **Current** Page 1 of 4 Issue No. 2 (2017-01-18)
Date of Issue: **2017-01-18** Issue No. 1 (2016-07-29)
Applicant: **R. STAHL Schaltgeräte GmbH** Issue No. 0 (2015-11-23)
Am Bahnhof 30,
74638 Waldenburg
Germany
Equipment: **RF Connectors, Coax bushings 9731/110-1 and 9731/110-2**
Optional accessory:
Type of Protection: **Flameproof enclosure 'd', protection by enclosure 't'**
Marking: Ex d I Mb Ex d IIC Gb Ex tb IIIC Db Ta -60°C to +150°C

Approved for issue on behalf of the IECEx
Certification Body:

Stephen Winsor

Position:

Certification Manager

Signature:
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

Element Materials Technology
Unit 1 Pendle Place
Skelmersdale
West Lancashire
WN8 9PN





IECEx Certificate of Conformity

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Manufacturer: **R. STAHL Schaltgeräte GmbH**
Am Bahnhof 30,
74638 Waldenburg,
Germany

Additional Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2007-04 Edition:6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

GB/TRC/ExTR14.0023/00	GB/TRC/ExTR14.0023/01	GB/TRC/ExTR15.0001/00
GB/TRC/ExTR15.0001/01	GB/TRC/ExTR15.0001/02	

Quality Assessment Report:

[DE/BVS/QAR10.0002/10](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Coax Bushing 9731/110 is an RF connector bushing for use with Flameproof and Dust-tight enclosures. The 9731/110 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 9731/110 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 9731/110 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 9731/110 can be supplied in two thread variants: 9731/110-1: M20 x1.5 threads and 9731/110-2: 3/4 NPT threads.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. The Coax bushings, 9731/110-1 and 9731/110-2 RF connectors must only be used in conjunction with suitably rated and 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.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Up-revision of drawing 402437

Annex:

[Annex to IECEx TRC 15.0001X is 2.pdf](#)



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Unit 1, Pendle Place,
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West Lancashire, WN8 9PN,
United Kingdom

Annex to IECEx Certificate of Conformity

IECEx TRC 15.0001X issue No.:2

Manufacturer's 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	243125	-	2015-05-20
iSOLATE-CT ATEX/IECEx CERTIFICATION DRAWING	402437	2.0	2016-12-09