



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 TSA 11.0026

Issue No: 2

Certificate history:

Status: **Current**

Issue No. 2 (2017-09-12)

Issue No. 1 (2014-08-04)

Date of Issue: **2017-09-12**

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Issue No. 0 (2011-12-09)

Applicant: **Triflex Manufacturing Pty Ltd**
Unit 29, 2-4 Picrite Close
Pemulwuy NSW 2145
Australia

Equipment: **Range of Triflex Type LTCM Conduit Fittings**

Optional accessory:

Type of Protection: **Ex t**

Marking:

Triflex
* Fitting Number (as per Schedule in Annex)
Ex ta III C IP66
IECEx TSA 11.0026

Approved for issue on behalf of the IECEx
Certification Body:

Ujen Singh

Position:

Quality & Certification Manager

Signature:
(for printed version)

Date:

12 SEPTEMBER 2017

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:

TestSafe Australia
919 Londonderry Road
Londonderry NSW 2753
Australia





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Manufacturer: **Triflex Manufacturing Pty Ltd**
Unit 29, 2-4 Picrite Close
Pemulwuy NSW 2145
Australia

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 : 2007-10 Explosive atmospheres - Part 0: Equipment - General requirements
Edition: 5
IEC 60079-31 : 2008 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure 't'
Edition: 1

*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:

[AUTSA/ExTR10.0059/01](#)

Quality Assessment Report:

[AUTSA/QAR10.0001/06](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The range of Triflex Type LTCM Conduit Fittings is intended for use in conjunction with flexible steel conduit with non-metallic serving and includes a straight series, 45° bend series and 90° bend series. The conduit fittings are manufactured from either brass alloy, mild steel, Blackheart malleable cast iron or stainless steel, with all component parts having either zinc-plating (steel and cast iron components), nickel-plating (brass components) or diecast zinc alloy.

The conduit fittings consist of a body (straight, 45° or 90°), ferrule, nylon gland ring and nut. An insulating throat is fitted inside the body to assist in protecting the insulated conductors from damage during assembly. The body has a metric thread of 1.5 mm pitch at one end, to facilitate the attachment to a threaded entry of an enclosure, and a UN, UNF or UNEF thread on the other end, to facilitate attachment of the nut. The nut, gland ring and ferrule are placed on the cut end of the conduit. The body is then screwed into the enclosure. The ferrule is inserted into the back of the body before the nut is screwed onto the body. The nut is then tightened to the specified torque value in the manufacturer's instructions. Each conduit fitting is marked with the certification information by means of engraving.

The operating temperature range for the conduit fittings is -20 °C to +81 °C.

SPECIFIC CONDITIONS OF USE: NO



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

1. The address of the Applicant and Manufacturer has been changed from 4/20 Tucks Road, Seven Hills NSW 2147 AUSTRALIA to Unit 29, 2-4 Picrite Close, Pemulwuy NSW 2145 AUSTRALIA.



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Additional Information:

1. There are no routine tests required.