



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 ITS 12.0079X

Issue No: 1

Certificate history:

Issue No. 1 (2019-02-22)

Issue No. 0 (2013-01-25)

Status: **Current**

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Date of Issue: **2019-02-22**

Applicant: **Eaton Electrical Systems Ltd t/a Eaton, Raxton, Redapt and Capri**
Unit 1, 1 Kingsway South
Aldridge
West Midlands
WS9 8FS
United Kingdom

Equipment: **EG and EF Cable Glands**

Optional accessory:

Type of Protection: **Flameproof d, Increased Safety e and dust protection t**

Marking:

IECEX ITS 12.0079X

Ex d IIC Gb / Ex e IIC Gb

Ex tb III C Db IP6X -60°C ≤ Ta ≤ +80°C

*Approved for issue on behalf of the IECEX
Certification Body:*

P Moss

Position:

Certification Officer

*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:

Intertek Testing & Certification Limited
ITS House, Cleeve Road,
Leatherhead,
Surrey, KT22 7SA
United Kingdom



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Manufacturer: **Eaton Electrical Systems Ltd t/a Eaton, Raxton, Redapt and Capri**
Kingsway South, Westgate, Aldridge, West Midlands, WS9 8FS, United Kingdom
United Kingdom

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 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 : 2017 Edition:7.0	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-1 : 2014-06 Edition:7.0	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"
IEC 60079-7 : 2017 Edition:5.1	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*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/ITS/ExTR13.0001/00](#) [GB/ITS/ExTR13.0001/01](#)

Quality Assessment Report:

[GB/SIR/QAR06.0014/08](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The **Raxton Compound stopper box type EG (Thread sizes M16 – M63 or equivalent)** is designed to seal conductors at the entry to the enclosure via conduit or to enable an existing suitably rated and approved compression gland which is then converted to a barrier gland by the fitment of this stopper box. The compound stopper box allows compound to be packed around individual insulated conductors. Assembly of the component compresses the packing material and distributes the compound evenly to effect a barrier at point of entry into the enclosure. The compound stopper box is supplied with compound in a pack, complete with making off instructions and gloves. The Raxton compound stopper box is marked with the appropriate approval information

The **Raxton flameproof flexible conduit cable glands type EF (Thread size M20 – M63 or equivalent)** are for use in the appropriate Hazardous areas providing environmental protection IP6X and for the facilitation of connection to flexible conduit. The cable gland allows compound to be packed around individual insulated conductors. Assembly of the component compresses the packing material and distributes the compound evenly to effect a barrier at point of entry into the enclosure. The cable gland is supplied with compound in a pack, complete with making off instructions and gloves. The metric parallel threads have 8 full threads of engagement and medium tolerance fit 6H/6g. They are suitable for normal industrial environments of temperature, humidity and vibration. Construction materials include Steel BS970 EN 1A, Stainless Steel, Brass CZ121/CZ122, or Aluminium alloy. All these materials contain less than 7.5% Magnesium and Titanium by mass

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The cable entries are only suitable for fixed installations. Cable must be effectively clamped from pulling or twisting
2. Cable glands shall not be used in enclosures where the temperatures at the point of entry / mounting are outside the range of -60°C to +80°C
3. Install in accordance with the requirements of IEC 60079-14
4. The cable entries shall be used in accordance with indications given by the manufacturer with its documentation
5. No more than 80% of the cross sectional area of the compound shall be occupied by cable



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

Issue 1:

Change of certificate holders entity and address from Ex Innovations to Eaton Electrical Systems Ltd t/a Eaton, Raxton, Redapt and Capri. The QAR has also been updated to reflect this.

Update of certificate to the latest certification standards IEC 60079-0 Ed7.0, IEC 60079-1 Ed 7.0, IEC 60079-7 Ed 5.1 and IEC 60079-31 Ed 2.0