

UK-TYPE EXAMINATION CERTIFICATE

Product or Protective Systems Intended for Use in Potentially Explosive Atmospheres

UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

- UK-Type Examination Certificate Number:** ITS21UKEX0055X **Issue 00**
- Product:** Barrier Stopper Box Type 'EG' and Flexible Conduit Component Barrier Fitting Type 'EF' Flameproof Cable Glands
- Manufacturer:** Eaton Electrical Systems Ltd trading as Raxton or Redapt or Capri
- Address:** Unit 1, 1 Kingsway South, Westgate, Aldridge, West Midlands, WS9 8FS, United Kingdom
- This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- Intertek Testing and Certification Limited, Approved Body number 0359, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), 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 Schedule 1 of the Regulations.

The examination and test results are recorded in the confidential report G100955079 Issue: 001 Dated: January 2013 and 10371729aLHD-001 dated 07th December 2020.
- Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-7:20015/A1:2018 and EN 60079-31:2014 except in respect of those requirements referred to within item 14 of the Schedule.
- If the sign "X" is placed after the certificate number, it indicates that the product is subject to the special conditions of use specified in the Schedule to this certificate.
- This UK-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- The marking of the product shall include the following:



II 2 GD
Ex db IIC Gb / Ex eb IIC Gb
Ex tb IIIC Db IP6X

Certification Officer: _____ **Date:** 22 June 2021
P Moss

SCHEDULE:

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11. Description of Product or Protective System

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 instructions and gloves.

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 instructions and gloves.

The metric parallel threads have 8 full threads of engagement and medium tolerance fit 6H6g. 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.

12. Report Number

Intertek Report: G100955079 Issue: 001 Dated: January 2013 and 10371729aLHD-001 dated 07th December 2020.

13. Special Conditions of Certification

(a). Special Conditions of Use

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

(b). Conditions of Manufacture - Routine Tests

- None.

SCHEDULE:

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14. Essential Health and Safety Requirements (EHSRs)

The relevant Essential Health and Safety Requirements (EHSRs) have been identified and assessed in Intertek Report: 104601581CHE-008 Dated: 24 March 2021.

15. Drawings and Documents

Title:	Drawing No.:	Rev. Level:	Date:
EG & EF Series	860	0	01/11/2012
Barrier Compound Flexible Conduit	860 EF	1	18/01/2013
Barrier Compound Stopper Box	860 EG	1	18/01/2013
Stopper Box Body	RG21-19-XX	1	29/10/2012
Flexible Conduit End Insert	RG23-18-XX	1	12/11/2012
Flexible Conduit Body	RG21-20-XX	1	12/11/2012
Stopper Box Insert	RG21-17-XX	1	12/11/2012
Female Coupler Stopper Box Body	RG21-18-XX	1	29/10/2012
Stopper Box Body	RG21-20-XX	1	12/11/2012
Stopper Box Body	ADE – EG/EF	1	07/12/2012
Accessories marking specification EF, EG	DF 2210038 A	A	19/03/21
Ex stopper boxes Regulatory Instruction	CAP184261	-	As stamped