



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

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

Certificate No.:	IECEx SIR 07.0009X	Page 1 of 5	<u>Certificate history:</u>
Status:	Current	Issue No: 6	Issue 5 (2017-09-12)
Date of Issue:	2018-10-10		Issue 4 (2013-09-05)
Applicant:	EX Innovations Limited Trading as Raxton Jepson Court Tancred Close Queensway Royal Leamington Spa Warwickshire CV31 3RZ United Kingdom		Issue 3 (2013-01-30)
Equipment:	Types CB, CF, CK, CQ and CY Stopping Plugs		Issue 2 (2011-08-03)
Optional accessory:			Issue 1 (2008-12-04)
Type of Protection:	Flameproof , Increased Safety and Dust		Issue 0 (2008-01-09)
Marking:	Ex d I/IIC Mb/Gb Ex e I/IIC Mb/Gb Ex tb IIIC Db Ta = -60°C to +200°C (Group I marking does not apply to CY Stopping Plugs)		

Approved for issue on behalf of the IECEx
Certification Body:

R A Craig

Position:

Certification Support Officer

Signature:
(for printed version)

Date:
(for printed version)

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 www.iecex.com or use of this QR Code.



Certificate issued by:

SIRA Certification Service
CSA Group
Unit 6, Hawarden Industrial Park
Hawarden, Deeside, CH5 3US
United Kingdom





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Manufacturer: **EX Innovations Limited Trading as Raxton**
Unit 1
1 Kingsway South
Aldridge
Walsall WS9 8FS
United Kingdom

Manufacturing locations:

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 equipment 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](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:5

[IEC 60079-1:2007](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:6

[IEC 60079-31:2008](#) Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'
Edition:1

[IEC 60079-7:2006](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:4

This Certificate **does not** indicate compliance with 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 Reports:

[GB/SIR/ExTR07.0047/00](#)
[GB/SIR/ExTR13.0009/00](#)

[GB/SIR/ExTR07.0047/01](#)
[GB/SIR/ExTR17.0191/00](#)

[GB/SIR/ExTR10.0213/01](#)

Quality Assessment Report:

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



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The devices are threaded stopping plugs that are used to fill unused entries in associated apparatus. They have threadforms between M12 and M 120 and are briefly described as follows:

Type CF: Round/hexagon socket/internal mounting

Type CB: Round/hexagon socket/external mounting

Type CK: Hexagon head

Type CQ: 'Mushroom' head

Type CY: Similar to Type CK with a hollow threaded section

Design options

- The materials of construction may be brass, stainless steel or mild steel.
- Entry threads may be Metric to ISO 965, Pg to DIN 40430, BSPP to BS 31, ET (British Conduit) to ET 31, NPS to ANSI/ASME B1.20.1 or threadforms complying with Table 3 of IEC 60079-1.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- i. If a stopping plug is machined with an undercut and is used for an Ex d application, then the wall of the enclosure into which it is fitted shall be such as to maintain five full threads of engagement.
- ii. When used for Increased Safety ('Ex e') applications, a suitable method of sealing to the associated enclosure shall be fitted.



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Equipment (continued):

Conditions of manufacture

The Manufacturer shall comply with the following:

- i. These products shall be marked in accordance with the information as specified in this certificate and related reports.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

This issue, Issue 6, recognises the following changes; refer to the certificate annex to view a comprehensive history:

1. QAR GB/SIR/QAR07.0016/00 was removed and replaced with GB/SIR/QAR06.0014/08. Note: this is a retrospective change to correct a typographical error and, because it is of an administrative nature, it is not associated with an ExTR

Annex:

[IECEx SIR 07.0009X Iss 6.pdf](#)

Annexe to: IECEx SIR 07.0009X Issue 6
Applicant: Ex Innovations Limited
Apparatus: Types CB, CF, CK, CQ and CY range of Stopping Plugs



Full list of certificate changes:

Issue 1 – this Issue introduced the following change:

- 1 The original associated report, GB/SIR/ExTR07.0047/00, was re-issued.

Issue 2 – this Issue introduced the following changes

- 1 Following appropriate re-assessment to demonstrate compliance with the requirements of the latest IEC 60079 series of standards, the documents originally listed, IEC 60079-0:2004 Ed 4, IEC 60079-1: 2005 Ed 5 and IEC 60079-7:2006-07 Ed 4, were replaced by those currently listed and appropriate marking was added.

Issue 3 – this Issue introduced the following changes:

1. The recognition that the company name and address has changed from Raxton Ltd, Westgate, Aldridge, West Midlands WS9 8FS to EX Innovations Ltd., Trading as Raxton at Jepson Court, Tancred Close, Queensway, Royal Leamington Spa, Warwickshire CV31 3RZ.
2. The introduction of a Condition of Manufacture.

Issue 4 – this Issue introduced the following change:

1. ExTR no. GB/SIR/ExTR10.0213/01 replaced ExTR no. GB/SIR/ExTR10.0213/00.

Issue 5 – this Issue introduced the following changes:

1. Introduction of size option M12 for types CF, CB, CK, CQ and CY Stopping Plugs. The available range in the product description was extended to include the new M12 option.
2. The addition of an ambient temperature rating at the point of mounting of -60°C to +200°C.

Issue 6 – this Issue introduced the following change:

- 1 QAR GB/SIR/QAR07.0016/00 was removed and replaced with GB/SIR/QAR06.0014/08. Note: this is a retrospective change to correct a typographical error and, because it is of an administrative nature, it is not associated with an ExTR.