



# 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](http://www.iecex.com)

Certificate No.: **IECEX SIR 10.0123U** issue No.:2

Status: **Current**

Certificate history:  
Issue No. 2 (2013-1-30)  
Issue No. 1 (2012-6-7)  
Issue No. 0 (2010-9-22)

Date of Issue: **2013-01-30** Page 1 of 5

Applicant: **EX Innovations Ltd., Trading as Redapt**  
Jepson Court  
Tancred Close  
Queensway  
Royal Leamington Spa  
Warwickshire CV31 3RZ  
**United Kingdom**

Electrical Apparatus: **Type T Inline and Swivel Adaptors**  
Optional accessory:

Type of Protection: **Flameproof, Increased Safety and Dust**

Marking: Ex d IIC Gb Ex e IIC Gb  
Ex d I Mb Ex e I Mb  
Ex tb IIIC Db IP 6X

Approved for issue on behalf of the IECEx Certification Body: A C Smith

Position: Certification Manager

Signature:  
(for printed version)

Date: 2013-01-30

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:

**SIRA Certification Service**  
Rake Lane  
Eccleston  
Chester  
CH4 9JN  
United Kingdom

**sira**  
CERTIFICATION



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Manufacturer: **EX Innovations Ltd., Trading as Redapt**  
Unit 1  
1 Kingsway South  
Aldridge  
Walsall WS9 8FS  
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 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 60079-1 : 2007-04** 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 : 2006-07** Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition: 4

*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/SIR/ExTR10.0215/00

GB/SIR/ExTR12.0083/00

GB/SIR/ExTR13.0011/00

##### Quality Assessment Report:

GB/SIR/QAR06.0014/01  
GB/SIR/QAR06.0014/04

GB/SIR/QAR06.0014/02  
GB/SIR/QAR06.0014/05

GB/SIR/QAR06.0014/03



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The range of inline and 90° swivel adapters are designed to convert existing cable entries to different thread forms and/or sizes. Threads available are between M20 and M75.

Each device comprises of two threaded entry parts and a 'spinning' internal component. The components are assembled such that flamepaths are formed at both entry threads and around the spinning components and such that connection at both ends is achieved without twisting the cable.

The range of inline and 90° swivel adapters can be fitted within an Ex d, Ex e or Ex tb enclosure or any combination provided the applicable Code of Practice is complied with.

The adapters, when installed in accordance with the manufacturer's instructions, are capable of providing, with an enclosure on which they are fixed, an ingress protection rating of IP 66.

See EQUIPMENT (continued) for Special Points for Noting

#### Conditions of manufacture

The Manufacturer shall comply with the following:

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

### CONDITIONS OF CERTIFICATION: NO



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## EQUIPMENT(continued):

The Following are Special Points for Noting

1. These Adaptors shall not be used for an application where the following service temperature range limitations would be exceeded:

Type of protection	Service Temperature
Ex d I Mb	-20°C to +60°C*
Ex e I Mb	-50°C to +150°C*
Ex d IIC Gb	-20°C to +60°C*
Ex e IIC Gb	-50°C to +200°C*
Ex tb IIIC Db	-50°C to +200°C*

\* Unless fitted with an interface sealing O-ring with lower properties, temperatures shall then be limited as per the manufacturer's instructions



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

<b>Issue 1</b> – this Issue introduced the following change:	
1	The applicant has advised us that their address has been changed from Units 46 & 47, Darlaston Central Trading Estate, Salisbury Street, Darlaston, West Midlands WS10 8XB to that currently shown.
<b>Issue 2</b> – this Issue introduced the following change:	
1.	The recognition that the company name and address has changed from Redapt Ltd, Westgate, Aldridge, West Midlands WS9 8FS to EX Innovations Ltd., Trading as Redapt at Jepson Court, Tancred Close, Queensway, Royal Leamington Spa, Warwickshire CV31 3RZ.
	The introduction of a Condition of Manufacture.