



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 SIM 14.0012X Issue No: 1 Certificate history:
Status: **Current** Page 1 of 4 Issue No. 1 (2016-02-01)
Date of Issue: **2016-02-01** Issue No. 0 (2014-12-09)
Applicant: **RTECK INDUSTRIES LTD**
55 St. John Street
TAURANGA
New Zealand
Electrical Apparatus: **Junction Box RTKB Series**
Optional accessory:
Type of Protection: **e, t**
Marking: Ex e IIC T6 Gb
Ex e m IIC T6 Gb
Ex tb IIIC T80 °C Db

Approved for issue on behalf of the IECEx
Certification Body:

Geoffrey Barnier

Position:

Principal Engineer - Certification

Signature:
(for printed version)

Date:

1 February 2016

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:

Safety in Mines Testing and Research Station (Simtars)
2 Robert Smith Street
REDBANK QLD 4301
Australia





IECEX Certificate of Conformity

Certificate No: IECEx SIM 14.0012X Issue No: 1

Date of Issue: 2016-02-01 Page 2 of 4

Manufacturer: **RTECK INDUSTRIES LTD**
47 Jean Battern Drive
Hanger As 5
MOUNT MAUNGANUI TAURANGA 3116
New Zealand

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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

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:

[AU/SIM/ExTR14.0011/00](#)

Quality Assessment Report:

[AU/SIM/QAR14.0001/01](#)



IECEx Certificate of Conformity

Certificate No: IECEx SIM 14.0012X

Issue No: 1

Date of Issue: 2016-02-01

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The RTECK junction box consists of a glass fibre polyamide body and cover. The cover is attached via four M4 stainless steel screws with a silicon O-ring gasket. The junction box enclosure is of dimensions 117 mm x 117 mm x 65 mm and fitted with separately certified terminals. Electrical access is via separately certified cable glands fitted to through holes drilled into the side and end walls of the enclosure. Refer Annex for model description.

CONDITIONS OF CERTIFICATION: YES as shown below:

Clause 7.4.2: Apparatus intended for fixed installation: refer Operating instructions to minimize risk from electrostatic hazard.

Clause 7.4.3: Enclosures should not be subjected to high flow of powder / dust flow that may lead to prolific charge eg. Pneumatic transfer of powders or charge spraying.

All conditions of use specified within the component certificates of the separately certified components are to be adhered to.



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Certificate No: IECEx SIM 14.0012X

Issue No: 1

Date of Issue: 2016-02-01

Page 4 of 4

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

Issue 1:

- Change in manufacturing location

Annex:

[IECEX 14.0012X-1 Annex.pdf](#)