



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 UL 13.0042U Issue No: 0 Certificate history:
Issue No. 0 (2013-12-11)

Status: **Current** Page 1 of 3

Date of Issue: **2013-12-11**

Applicant: **RAYCHEM RPG LTD**
CEAT MAHAL ANNEXE 463
DR ANNIE BESANT ROAD
WORLI, MUMBAI, 400030
India

Electrical Apparatus: **Junction Boxes**
Optional accessory:

Type of Protection: **Increased Safety "e" and Dust "tb"**

Marking:
Ex e IIC Gb
Ex tb IIIC Db IP66

Approved for issue on behalf of the IECEx
Certification Body:

Paul T. Kelly

Position:

Principal Engineer, Global Hazardous Locations

Signature:
(for printed version)

Date:

2013-12-11

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:

UL LLC
333 Pfingsten Road
Northbrook IL 60062-2096
United States of America





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Manufacturer: **RAYCHEM RPG LTD**
CEAT MAHAL ANNEXE 463
DR ANNIE BESANT ROAD
WORLI, MUMBAI, 400030
India

Additional Manufacturing
location(s):

RAYCHEM RPG PVT LTD

1/62, MG ROAD, NEAR BHARAT PETROLEUM, OFF WESTERN EXPRESS HIGHWAY, POST SATIVALI, BASSEIN TALUKA-VASAI
DISTT. THANE 401208, MAHARASHTRA
India

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 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-31 : 2008 Edition:1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'
IEC 60079-7 : 2006-07 Edition:4	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:

US/UL/ExTR13.0042/00

Quality Assessment Report:

US/UL/QAR13.0005/00



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

These devices are increased safety and dust protected junction boxes constructed out of Aluminium and aluminium alloys. Castings (ALS112) are available in various sizes and depths. The enclosures consist of an enclosure body, cover with bolts assembly. Body has external and internal grounding lugs. Sealing is ensured by high temperature silicone gasket. The enclosure may be mounted in a vertical or horizontal position. For information regarding tightening torques, refer to instructions.

Nomenclature:

<u>AJB</u>	<u>200</u>	<u>56</u>	<u>40</u>	<u>U</u>
I	II	III	IV	V

I - Enclosure Material and Type

AJB - Powder Coated Aluminium and aluminium alloys Castings (ALS112) Terminal Enclosure

II - Enclosure Length

XXX - Any two or three digit number that indicates the outside box length (in mm)

III - Enclosure Width

XXX - Any two or three digit number that indicates the outside box width (in mm)

IV - Enclosure Depth

XXX - Any two or three digit number that indicates the outside box depth (in mm)

V - Empty Enclosure Assembly

U - No components installed

See Annex for Schedule of Limitations for Ex Components.

CONDITIONS OF CERTIFICATION: NO

Annex:

[Annex to IECEx UL 13.0042U Issue 0.pdf](#)

Annex to IECEx UL 13.0042U

Schedule of Limitations:

- All cable entry devices and blanking elements must be certified for protection types 'e' and 'tb' and must have a minimum IP 66 rating.
- All unused device openings must be fitted with a certified close-up plug of protection types 'e' and 'tb' and must have a minimum IP 66 rating.
- The suitability of all entries should be considered in the end use application.
- The service temperature range is -50°C to +135°C