

EC-TYPE EXAMINATION CERTIFICATE



[1]

[2]

**Component intended for use on/in equipment or protective system
intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

[3]

EC-Type Examination Certificate Number: **DEMKO 15 ATEX 1475U Rev. 0**

[4]

Component: **Increased Safety Ex GJB Series Empty Junction Boxes**

[5]

Manufacturer: **Raychem RPG Pvt. Ltd.**

[6]

Address: **Ceat Mahal Annexe 463, Dr. Annie Besant Road, Worli, Mumbai, 400030, India**

[7]

This Component and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

[8]

UL International Demko A/S, notified body number 0539 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to design and construction of components intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report no. **4786768734**

[9]

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012+A11:2013

EN 60079-7:2007

EN 60079-31:2014

[10]

The sign "U" placed after the certificate number indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.

[11]

This EC-Type examination certificate relates only to the design, examination and tests of the specified component in accordance with the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.

[12]

The marking of the component shall include the following:

II 2 G Ex e IIC Gb

II 2 D Ex tb IIIC Db

Certification Manager

Jan-Erik Storgaard

This is to certify that the sample(s) of the Component described herein ("Certified Component") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the ATEX Equipment Certification Program Requirements. This certificate and test results obtained apply only to the component sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured component. UL has not established Follow-Up Service or other surveillance of the component. The Manufacturer is solely and fully responsible for conformity of all component to all applicable Standards, specifications, requirements or Directives. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

Date of issue: 2016-01-28



Notified Body

UL International Demko A/S, Ballerup 5A, 2750 Ballerup, Denmark
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[13]

[14]

Schedule
EC-TYPE EXAMINATION CERTIFICATE No.
DEMKO 15 ATEX 1475U Rev. 0
Report: 4786768734

[15]

Description of Component:

These devices are increased safety and dust protected terminal enclosures constructed out of GRP (Glass reinforced polyester). The enclosures consist of an enclosure body, cover with bolts assembly. Enclosure 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:

Ex	GJB	75	80	57	U
I	II	III	IV	V	VI

I – Type of enclosure application

Ex – ATEX Empty Enclosure.

II – Enclosure Material and Type

GJB – Glass Reinforced polyester junction box terminal enclosures

III – Enclosure Length

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

IV – Enclosure Width

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

V – Enclosure Depth

XXX – two or three digit number that indicates outside box depth (in mm)

VI - Empty Enclosure Assembly

U – No Components Installed

[16]

Descriptive Documents

The scheduled documents are listed in the report no. provided under item no. [8] on page 1 of this EC-Type Examination Certificate.

[17]

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 +100°C

[18]

Essential Health and Safety Requirements

Concerning ESRs this Schedule verifies compliance with the Annex III of ATEX directive only. By placing the product on the market, the manufacturer declares compliance with other relevant Directives, and all other safety related requirements including those of Annex II of this Directive.

Additional information

The Ex GJB series enclosures have in addition passed the tests for Ingress Protection to IP 66 in accordance with EN60529:1991+A1:2000+A2:2013.

The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in ANNEX III to Directive 94/9/EC of the European Parliament and the Council of 23 March 1994.