

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 13 ATEX 1327771U Rev. 0**

[4]

Component: **Aluminium Enclosures**

[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. **13CA27771**

[9]

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

EN 60079-0:2012

EN 60079-7:2007

EN 60079-31:2009

[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

IP66

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: 2013-12-16

Notified Body

UL International Demko A/S, Ballerup 5A, 2750 Ballerup, Denmark
Tel. +45 44 85 65 65, info.dk@ul.com, www.ul.com



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Schedule
EC-TYPE EXAMINATION CERTIFICATE No.
DEMKO 13 ATEX 1327771XU Rev. 0
Report: 13CA27771

[15]

Description of Component:

These devices are increased safety and dust protected terminal enclosures 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:

AJB	200	56	40	U
I	II	III	IV	V

I – Enclosure Material and Type

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

V - Empty Enclosure Assembly

U – No Components Installed

Temperature range

The Service temperature range is - 50°C to +135 °C.

Installation instructions

Installation of conduit/cable entries must be in accordance with installation instruction.

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.

For operating temperatures range of -50 °C to +135 °C use field wiring suitable for both minimum and maximum operating temperature.

Mounting instructions

Enclosures shall be mounted horizontally over the wall or on the horizontal surfaces,

The suitability of all entries should be considered in the end use application per installation instruction.

Routine tests

None required.

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Descriptive Documents

Project Report No.: 13CA27771 (Hazardous Location Testing)

Documents:

Description:	Document No.:	Rev. Level:	Date:
Junction Box (360X160X90)	Ex-AJB-36016090-U	-	2013-06-28
Junction Box (330X230X180)	Ex-AJB-330230180-U	-	2013-06-28
Junction Box (330X230X110)	Ex-AJB-330230110-U	-	2013-06-28
Junction Box (280X230X110)	Ex-AJB-280230110-U	-	2013-06-29
Junction Box (260X160X90)	Ex-AJB-26016090-U	-	2013-06-28
Junction Box (250X80X54)	Ex-AJB-2508054-U	-	2013-06-28
Junction Box (230X200X180)	Ex-AJB-230200180-U	-	2013-09-26
Junction Box (230X200X110)	Ex-AJB-230200110-U	-	2013-06-28
Junction Box(220X120X81)	Ex-AJB-22012081-U	-	2013-06-27
Junction Box(220X120X91)	Ex-AJB-22012091-U	-	2013-06-29
Junction Box (175X80X57)	Ex-AJB-1758057-U	-	2013-06-27
Junction Box (160X160X91)	Ex-AJB-16016091-U	-	2013-06-28
Junction Box (160X100X81)	Ex-AJB-16010081-U	-	2013-06-28
Junction Box (150X64X34)	Ex-AJB-1506434-U	-	2013-06-22
Junction Box (125X80X57)	Ex-AJB-1258057-U	-	2013-06-20
Junction Box (122X120X91)	Ex-AJB-12212091-U	-	2013-06-14



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Junction Box (122X120X81)	Ex-AJB-12212081-U	-	2013-06-15
Junction Box (100X100X80)	Ex-AJB-10010080-U	-	2013-06-14
Junction Box (98X64X34)	Ex-AJB-986434-U	-	2013-06-14
Junction Box (75X80X57)	Ex-AJB-758057-U	-	2013-06-14
Junction Box (58X64X34)	Ex-AJB-586434-U	-	2013-06-14
Label drawings	AJBM-14102013-00	-	2013-10-07
Installation instruction	AIM/RRPL/01/00	0	2013-10-21

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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.

[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 Junction boxes has in addition passed the tests for Ingress Protection to IP66 in accordance with EN60529: 1991/A1 2000.

This certificate was issued as "Accredited by DANAK under registration number 7011 to certification of products".

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.

