



TC-5389

ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION

(Accredited by the National Accreditation Board for Testing and Calibration Laboratories, Govt. of India)

ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.

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RP-2425-037786

TEST REPORT

ULR No.: TC538925000005610F

SHEET 01 OF 03

| | | |
|---|--|-------------------------|
| NAME & ADDRESS OF CUSTOMER: M/s. Paragon Electro Switchgear Pvt. Ltd. K-3, M.I.D.C., Ambad, Nashik – 422 010. Maharashtra. INDIA | REPORT NO. : RP-2425-037786 DATE OF ISSUE: 05-03-2025 | |
| | CUSTOMER REF. NO.: Letter DATED: Nil | |
| | DATE OF SAMPLE RECEIPT | DATE OF TESTING |
| | 17-12-2024 | 04-03-2025 & 05-03-2025 |
| SAMPLE DESCRIPTION: (As provided by customer) Compression type tubular terminal ends (Aluminium lug) [5 Nos.] Designation: CAA-70 PESALS-226 (70 sqmm E-12.7 Aluminium Lug) | SAMPLE IDENTIFICATION: Embossed on the sample: "Pessrl-70-12" ERDA Sample Code No.: ERDA-00610831 | |
| TEST DETAILS: 1] Visual examination 2] Dimensional check up 3] Flattening test 4] Electrical conductivity test [% IACS] | TEST SPECIFICATION: For Test Procedure and Requirement: IS 8309 : 1993 with 1 Amendment | |
| REMARKS: 1] Out of five samples, one sample was randomly selected for testing. 2] Sample conforms to the requirement of all above mentioned tests. 3] Photograph of samples has been attached. [Refer SHEET 03 OF 03] | | |
|  CHECKED BY |  (Mr. Anil Suthar) APPROVED BY | |

Note:

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**ULR No.: TC538925000005610F**

Discipline: Electrical Testing

Group: Transmission line equipment and accessories

TEST REPORT No.: RP-2425-037786 DATE OF ISSUE: 05-03-2025 SHEET 02 OF 03

| Sr. No. | Particular of Tests & Cl. No. | Requirement as per specification | Obtained Value/ Observation | Remarks |
|---------|--|--|---|----------|
| 1. | Visual examination [Cl. No. 8.1 of IS 8309] | Sample shall be examined for freedom from flaws, rust, crevices, cracks and other defects harmful for the joint. | Sample found free from flaws, rust, crevices, cracks and other defects harmful for the joint. | Conforms |
| 2. | Dimensional check up [Cl. No. 8.1 & Table 1 of IS 8309] | Sample shall conform to Designation CAA-70 of Table 1 of IS 8309 | Conforms to Designation CAA-70 of Table 1 of IS 8309 | Conforms |
| 3. | Flattening test [Cl. No. 8.2 of IS 8309] | Apply gradually increasing load until the internal surfaces are in contact over at least half of the internal width of flattened test piece. There shall be no crack observed. | No crack was observed | Conforms |
| 4. | Electrical conductivity test [% IACS] [Cl. No. 8.3 of IS 8309] | 60.0 % IACS (Min.) | 65.5 % IACS* | Conforms |

Note: '*' Obtained value is an average of five readings.

[Signature]
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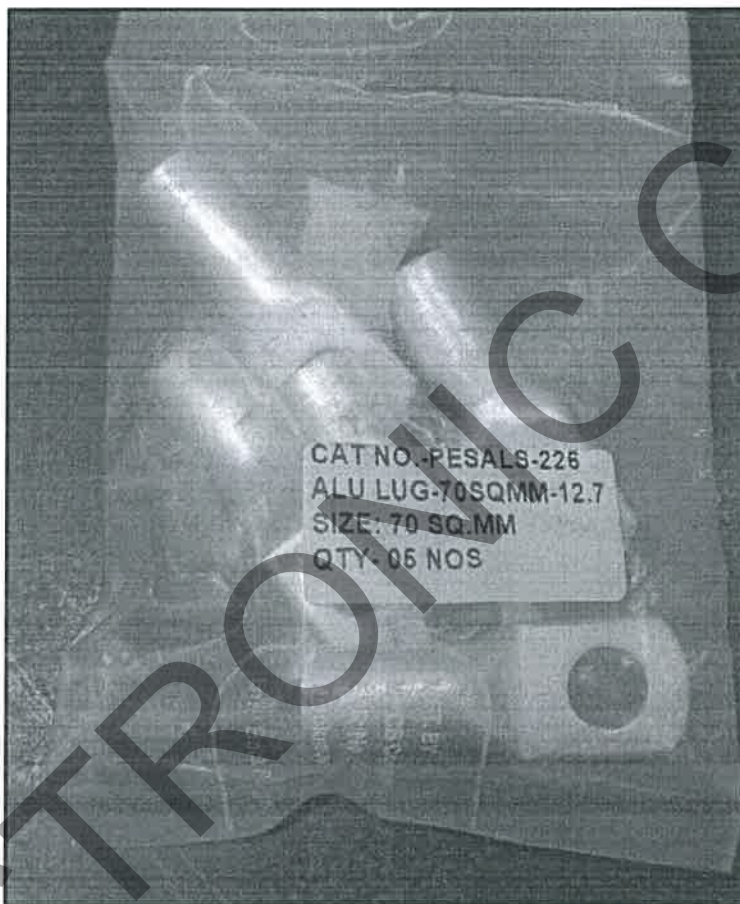
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Photograph of samples

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***** End of Test Report *****



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