



TC-5389

**ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION**

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

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RP-2425-037789

**TEST REPORT****ULR No.: TC538925000005612F****SHEET 01 OF 03**

<b>NAME &amp; ADDRESS OF CUSTOMER:</b>  <b>M/s. Paragon Electro Switchgear Pvt. Ltd.</b> <b>K-3, M.I.D.C., Ambad,</b> <b>Nashik – 422 010.</b> <b>Maharashtra.</b> <b>INDIA</b>	<b>REPORT NO. : RP-2425-037789</b> <b>DATE OF ISSUE: 05-03-2025</b>	
	<b>CUSTOMER REF. NO.: Letter</b> <b>DATED: Nil</b>	
	<b>DATE OF SAMPLE RECEIPT</b>	<b>DATE OF TESTING</b>
	17-12-2024	04-03-2025 & 05-03-2025
<b>SAMPLE DESCRIPTION:</b> (As provided by customer)  <b>Compression type tubular terminal ends (Aluminium lug) [5 Nos.]</b> <b>Designation: CAA-120</b> PESALS-230 (120 sqmm E-12.7 Aluminium Lug)	<b>SAMPLE IDENTIFICATION:</b>  <b>Embossed on the sample:</b> "Pessrl-120-12"  <b>ERDA Sample Code No.:</b> ERDA-00610833	
<b>TEST DETAILS:</b>  1] Visual examination 2] Dimensional check up 3] Flattening test 4] Electrical conductivity test [% IACS]	<b>TEST SPECIFICATION:</b>  <b>For Test Procedure and Requirement:</b> IS 8309 : 1993 with 1 Amendment	
<b>REMARKS:</b> 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]		
 <b>CHECKED BY</b>	 (Mr. Anil Suthar) <b>APPROVED BY</b>	

Note:

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**ULR No.: TC538925000005612F**

Discipline: Electrical Testing

Group: Transmission line equipment and accessories

**TEST REPORT No.: RP-2425-037789 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.	<b>Visual examination</b> [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.	<b>Dimensional check up</b> [Cl. No. 8.1 & Table 1 of IS 8309]	Sample shall conform to Designation CAA-120 of Table 1 of IS 8309	Conforms to Designation CAA-120 of Table 1 of IS 8309	Conforms
3.	<b>Flattening test</b> [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.	<b>Electrical conductivity test [% IACS]</b> [Cl. No. 8.3 of IS 8309]	60.0 % IACS (Min.)	65.4 % IACS*	Conforms

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

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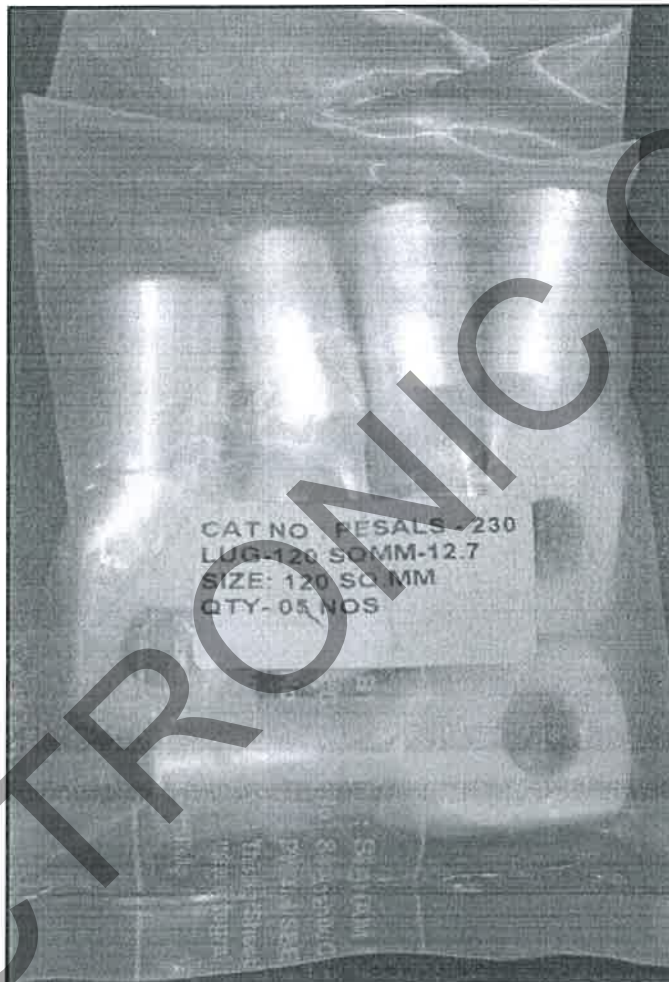
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Photograph of samples

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

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