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Version	Date	Revision
01	Jul. 18, 2022	PREPA to LUMA Format for Items 002-11060, 002-11086, 002-11094, 002-10948, and 002-83029.
02	Sep. 25, 2023	General format revision. Item 002-85352 and 002-85353 added. Revision of compatible models.
03	Dec. 06, 2023	General format modifications. Models changed on Table 1. Item 002-85561 added.
04	Jan. 21, 2026	General format modifications. Item 002-85561 removed. Document title modified. Version history numbers rearranged starting on 01 instead of 00. Document number changed from 4350.208 (Legacy Number) to 4300.50.208 (New Engineering Records Nomenclature Number).



Item Version History

Warehouse Catalog #	Asset Suite #	Version	Date
002-85352	85352	3	1/21/2026
002-85353	85353	3	1/21/2026
002-11060	55978	6	1/21/2026
002-11086	55979	6	1/21/2026
002-11094	55980	6	1/21/2026
002-10948	56718	6	1/21/2026
002-83029	83029	6	1/21/2026



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1. Introduction

This is a general specification that covers the minimum requirements for aluminum compression terminal lugs with two holes to be used in the distribution and transmission systems in Puerto Rico. Further information will be provided by LUMA Energy at the time of order placement and will provide information on site specific conditions, quantity, and other requirements. This document includes the general characteristics of the product.

2. Special Requirements

Samples shall be furnished as requested by LUMA Energy. Vendors that have supplied this product to LUMA on previous orders will not have to furnish samples at bid opening. The product will be received at LUMA's general warehouse (011) at Palo Seco, Puerto Rico. Shipping will include transportation and unloading at the indicated warehouse.

3. Literature

- 3.1. Descriptive and technical literature must be supplied by the vendor at time of bidding. This literature must include, but is not limited to, details of material, drawings, documented testing, and instructions for use and installation. **The literature must be an official document from and certified by the manufacturer.** Failure to submit documents on time and duly certified by the manufacturer will cause bidder disqualification.
- 3.2. If required by LUMA, final drawings and documentation shall be submitted by the vendor before the manufacturing and shipping process for approval.

4. Compatible with

For compatible manufacturer and model see Table 1. These models are examples of the product described in this document and do not represent a preference. LUMA will evaluate equally any model not listed here during any acquisition event.

5. Markings

- 5.1. Containers shall be marked outside with LUMA Energy's purchase order and item number.
- 5.2. Individual package(s) shall be clearly marked with manufacturer name and item information (part number, serial number, quantity, etc.).
- 5.3. Packaging labels and tags shall be waterproof.

6. Packaging

- 6.1. All products shall be packaged and marked in such a way as to facilitate handling and protection from damage and that the receiving warehouse can readily identify it and send it, in one complete unit, to a field location without opening crates or boxes to sort items and/or parts.
- 6.2. A list of all parts included in the container and/or package must be provided at delivery time so the receiving personnel can verify that everything requested is present, avoiding any delay in the receiving process.

7. Number Per Package (Logistics)

Standard package: Ten (10) per package or as requested by LUMA Energy.

8. Acceptance Criteria

- 8.1. Test required: certified by external qualified laboratories.
- 8.2. Product shall be manufactured in accordance with the latest issue below (section 8.3). When conflicts occur between purchaser's specifications and the latest issue below, the purchaser's specification shall prevail.

8.3. Latest applicable codes, standards, and other regulations:

- a. UL 486A-486B: Standard for single-polarity connectors for use with all alloys of copper or aluminum, or copper-clad aluminum conductors.
- b. RoHS compliance

8.4. If any other standards different from the ones indicated in this document are used, the supplier must provide information showing compatibility with the required ones.

9. Description

9.1. Aluminum compression terminal lugs are used for disconnecting tap or jumper connections on ACSR, AAAC, and copper conductors when mechanical connection is needed.

9.2. The connector material shall be tin-plated aluminum.

9.3. Shall be prefilled with oxide inhibiting compound, strip sealed and capped, to limit oxide formation.

9.4. The barrel must be designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the strands.

9.5. The minimum tongue thickness must be 0.25" to 0.625" (6.35 to 15.88 mm), depending on the conductor size (see Table 1).

9.6. The minimum tongue width must be 1.0" to 1.6" (2.54 to 4.06 cm), depending on the conductor size (see Table 1).

9.7. The tongue must be straight angle and have two (2) holes to minimize the terminations from loosening or rotating under vibration, movement, or heat cycling.

9.8. The tongue holes must be 1/2" (12.7 mm) diameter with 1-3/4" (44.45 mm) stud hole spacing as per NEMA standard.

9.9. Must be clearly marked with stamping to show manufacturer name, conductor range, and tooling information.

9.10. The supplier must provide information about the corresponding die needed for installation indicating compatibility with MD6/MD7, Y35, Y45, and/or Y46 standard crimping tools. If the connector offered during an acquisition event is not compatible with the required die in Table 1, the product will be disqualified.

10. Inspection

10.1. Upon inspection of incoming products, the purchaser reserves the right to refuse their shipments and to determine the acceptability or rejection of the product received. The supplier shall be liable for all costs incurred for a product that is rejected.

10.2. The acceptance of any product shall in no way relieve the vendor from his responsibility to meet all the requirements of this specification, and it would not prevent subsequent rejection if such products were found later to be defective or out of compliance.

11. Proposal Information

11.1. Submitted proposals must include:

- a. Technical information, drawings, and tests.
- b. Table of Compliance completed by the bidder with reference (see Appendix 1).

12. Table 1: Warehouse and Asset Suite Identification Number

Warehouse Catalog #	Asset Suite #	Conductor Size Range (Diameter)	Approx. Length	Min. Tongue Thickness	Min. Tongue Width	Die Index	Compatible Manufacturer & Model
002-85352	85352	1/0 (6/1) ACSR, 123.3 (7) AAAC, 1/0 str. (7) Cu (0.373" - 0.398")	5.25"	0.25"	1.0"	(W) BG (U) 243	Hubbell (VAUL1012BNTP)
002-85353	85353	3/0 (6/1) ACSR, 195.7 (7) AAAC (0.502")	5.75"	0.25"	1.25"	(U) 249	Hubbell (VAUL3012BNTP)
002-11060	55978	4/0 (6/1) ACSR, 4/0 str. (19) Cu (0.528" - 0.563")	5.75"	0.25"	1.25"	(U) 249	Hubbell (VAUL4012BNTP)
002-11086	55979	266.8 (26/7) ACSR, 300 MCM (37) Cu (0.630" - 0.642")	6.5"	0.37"	1.25"	(U) 316, 655, 705	Hubbell (VAUL36012BNTP) TE (TATL2-300-1/2-U)
002-11094	55980	336.4 (18/1) ACSR, 394.5 (19) AAAC (0.683" - 0.721")	6.5"	0.37"	1.25"	(U) 316, 655, 705	Hubbell (VAUL40012BNTP) TE (TATL2-350-1/2-U)
002-10948	56718	556.5 (24/7), (26/7) ACSR, 652.4 (19) AAAC (0.914" - 0.927")	7.5"	0.51"	1.6"	(U) 786	Hubbell (VAULH70012BNTP) TE (TATL2-600-1/2-U)
002-83029	83029	927.2 (37) AAAC (1.108")	8.0"	0.63"	1.6"	(U) 786 (P) 302	Hubbell (VAUL100012BNTP) TE (TATL2-1000-1/2-U)

- End of Specification -

Appendix

Appendix 1: Table of Compliance

Line	Description	Pass/Fail (P / F)	Comments
1	Compliance with the document 4300.50.208.		
2	Industry standards: UL 486A-486B. If different ones are used, information showing compatibility is required.		
3	Tech. info., drawings, and tests provided.		
4	Aluminum compression terminal lug with two (2) hole, straight angle tongue, and no inspection window.		
5	Tin-Plated Aluminum for AL and CU conductors		
6	Pre-filled with an oxide inhibiting compound strip sealed.		
7	Min. tongue thickness between 0.25" and 0.625" as per Table 1.		
8	Min. tongue width between 1.0" and 1.6" as per Table 1.		
9	Two (2) holes tongue, 1/2" diameter with 1-3/4" stud hole spacing as per NEMA standard.		
10	To be installed with standard tooling such as Burndy MD6/7, Y35, Y45, and/or Y46.		
11	Permanent marked with Manufacturer name, conductor size range, and installation die index number.		
12	Conductor size range as per Table 1.		

NOTE: This table is only a checklist for reference. The compliance must be with the complete document. Filling out the table with "PASS" won't be accepted as a compliance without the technical information required to certify it.