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Stud Mount Transformer Connector

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Material Specifications

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Version History

Date	Revision Comments
Oct 14, 2022	Initial Release.

Warehouse Catalog	Item Version	Date
038-83935	1	10/14/2022
038-83936	1	10/14/2022



Equipment Specification
Document No.: 4350.278
Originating Department: Distribution Engineering



Stud Mount Transformer Connector

1. Introduction

This is a general specification that covers the minimum requirements for a stud mount transformer connector to be used in the distribution system 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 electrical and mechanical characteristics of the material.

2. Special Requirements

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

3. Quantity/Literature

Descriptive and technical literature must be supplied by vendor at time of bidding. This literature may include, but is not limited to details of material, drawings, documented testing, and instructions for use and installation. Failure to submit documents on time will cause bidder disqualification. For products described in this specification as requiring qualification, awards will be made only for such products that, prior to the time for opening of bids, had been tested and/or approved by LUMA. Evidence of PREPA's and/or LUMA Energy's approval of the equipment or material shall be supplied by vendor if requested by LUMA Energy.

4. Markings

- 4.1. Containers shall be marked outside with LUMA Energy's purchase order and item number.
- 4.2. Packaging labels and tags shall be waterproof.

5. Equal or Approved Equal to

Homac, see Table #1 for specific models.



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6. Packaging

All material and equipment 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.

7. Number Per Package (Logistics)

Standard package: Fifty (50) units per package or as requested by LUMA.

8. Acceptance Criteria

- 8.1. Test required: certified by external qualified laboratories.
- 8.2. Latest applicable codes, standards, and other regulations:
 - a. ANSI C119.4

9. DESCRIPTION

- 9.1. Aluminum stud-mount connectors for one phase, pad mounted transformers low voltage bushing.
- 9.2. Shall be able to be installed in the threaded stud with a diameter of 5/8-inch or 1 inch, as requested by LUMA Energy
- 9.3. Must have six (6) outlets, each suitable for a minimum cable range of #12 AWG to 350 MCM.
- 9.4. Shall be suitable for both aluminum and copper conductors.
- 9.5. They shall be furnished with ball-bottom screws for securing each connection.
- 9.6. The connectors shall be provided with the appropriate insulating cover. Material shall be EPDM or similar. LUMA prefers that the cover is clear to facilitate visual inspection of the connections; other colors will be evaluated.
- 9.7. Table 1: Warehouse information

Warehouse Number	Asset Suite	Approximate Length	Outlets	Stud Size	Suggested Model	
					Connector	Cover
038-83935	83935	7.25 in (18.42 cm)	6	5/8"	ABS 6350	SB 11
038-83936	83936	7.25 in (18.42 cm)	6	1"	ABS 6350-1	SB 11



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10. Inspection

The acceptance of any material or equipment 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 materials were found later to be defective.

11. Proposal Information

11.1. Submitted proposals must include:

- a. Technical information
- b. Table of Compliance completed by the bidder with reference.

— End of Specification —



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Appendix



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Appendix 1: Table of Compliance

Line	Criteria	Description	Pass/Fail (P / F)	Comments
1	Specification	The Proponent complies with the corresponding specification document 4350.278.		
2	Industry Standards	The Proponent complies with the industry standards established in the specification document. (ANSI)		
3	Material	Aluminum. Suitable for both aluminum and copper conductor		
4	Installation	Shall be able to be installed in a threaded stud with diameter 5/8-inch or 1 inch.		
5	Outlets	<ul style="list-style-type: none">• 6 outlets.• Cable range #12 AWG to 350 MCM• They shall be furnished with ball-bottom screws for securing each connection.		
6	Accessories	The connectors shall be provided with the appropriate insulating cover. Material shall be EPDM or similar.		











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Final Audit Report

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