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Copper Transformer Ground Connector

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Material Specification

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Related/Referenced Documents

N/A.

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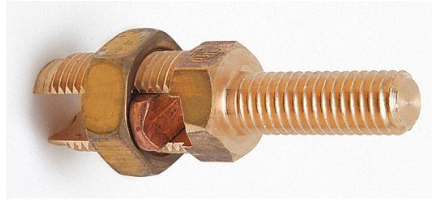
Version	Date	Revision
01	Dic. 03, 2021	Initial release.
02	Apr 13, 2022	General revision and Table of compliance created.
03	Jul. 19, 2024	Format corrections, TOC update, Section 4 modified, and sections order rearranged.



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Item Version History

Warehouse Catalog #	Asset Suite	Version	Date
002-03679	58175	8	07/19/2024



1. Introduction

This is a general specification that covers the minimum requirements for copper transformer ground 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 equipment/material.

2. Special Requirements

Samples shall be furnished as requested by LUMA Energy. Vendors that have supplied this equipment/material to LUMA on previous orders will not have to furnish samples at bid opening. The equipment/material will be received at the LUMA's general warehouse (O11) at Palo Seco, Puerto Rico. Shipping will include transportation and unloading at the indicated warehouse.

3. Literature

Descriptive and technical literature must be supplied by the 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.

4. Compatible with

- 4.1. For compatible manufacturers and models see Table 1. These models are examples of the equipment/material 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. Packaging labels and tags shall be waterproof.

6. Packaging

All equipment/material 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)

Twenty-five (25) units per box or as requested by LUMA Energy.

8. Acceptance Criteria

- 8.1. Test required: certified by external 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. EEI – NEMA
 - b. UL467
- 8.4. If any other standard 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. Copper or bronze alloy transformer ground connector.
- 9.2. To be used as a tank grounding terminal for distribution transformers.
- 9.3. Shall Fits all standard EEI-NEMA distribution transformers as tank grounding terminal.
- 9.4. Conductor range: solid cooper #8 - #2 AWG
- 9.5. Stud size: ½” – 13 thread per inch
- 9.6. Shall be for single-wrench installation.

10. Inspection

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

11. Proposal Information

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

12. Table 1: Warehouse and Asset Suite Identification Number

Warehouse Number	Asset Suite Number	Compatible Manufacturer	Model
002-03679	58175	Burndy	KC22J12T13

— End of Specification —



Appendix



Appendix 1: Table of Compliance

Line	Criteria	Description	Pass/Fail (P/F)	Comments
1	Specification	The Proponent complies with the corresponding specification document 4350.090.		
2	Industry Standards	The Proponent complies with the industry standards established in the specification document. (NEMA, UL)		
3	Type	Transformer ground connector.		
4	Material	Copper or bronze alloy		
5	Product Requirement	Fits all standard EEI-NEMA distribution transformers as tank grounding terminal.		
6	Product Requirement	Conductor range: solid copper #8 - #2 AWG		
7	Product Requirement	Stud size: ½" – 13 thread per inch		

NOTE: This table is only a check list for reference. The compliance shall be with the complete document. Marking a PASS in the table won't be accepted as a compliance without the technical information required to certify it.











4350.090 Copper transformer ground connector (07-19-2024)

Final Audit Report

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