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Pin Terminal Connector

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N/A

Related/Referenced Documents

N/A

Version History

Version	Date	Revision Comments
1	Nov. 09, 2021	Initial release.
2	Jul. 25, 2022	General format and signature format modifications.
3	Jul. 19, 2024	General format modifications, TOC updated, Section 4 modified, and sections order rearranged.



Item Version History

Warehouse Catalog #	Asset Suite #	Version	Date
002-09742	56690	3	7/19/2024
002-82936	82936	3	7/19/2024
002-82937	82937	3	7/19/2024
002-82938	82938	3	7/19/2024
002-82939	82939	3	7/19/2024
002-82940	82940	3	7/19/2024
002-82941	82941	3	7/19/2024



1. Introduction

This is a general specification that covers the minimum requirements for a pin terminal 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 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 (011) 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. If required by LUMA, final drawings shall be submitted by the vendor before the manufacturing and shipping process for approval.

4. Compatible with

For compatible manufacturers and models, see Table 1. These models are examples of the equipment/materials described in this document and do not represent a preference. LUMA will evaluate equally any models 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)

Supplier shall indicate the logistics at bid opening or as requested by LUMA.

8. Acceptance Criteria

- 8.1. Test required: certified by external laboratories.
- 8.2. The latest applicable codes, standards, and other regulations shall be followed.

9. Description

- 9.1. Aluminum pin terminal plug (stem connector) for joining insulated copper conductor riser to overhead conductor.
- 9.2. Rated for up to 15 kV system.
- 9.3. Shall be compatible with stranded copper conducts. Material shall be tin-plated to help transition between aluminum and copper material.
- 9.4. Shall be able to be installed with mechanical connectors (shear bolt) or crimped with a high-pressed tool.

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 Catalog #	Asset Suite #	Conductor	Compatible Manufacturer	Compatible Model	Die Index or Die Set
002-09742	56690	2 STR	Burndy Richards Manufacturing 3M TE Connectivity	YE2CLH129 APT7 SC0001 ASBP-2-4/0-6	W162, U2CRT DI: 296 W-BG, W241, U25ART Shear bolt
002-82936	82936	1/0 STR	Burndy Richards Manufacturing 3M TE Connectivity	YE25LH97 APT9 SC0010 ASBP-2-4/0-6	W163, U25RT DI: 296 W-BG, W241, U25ART Shear bolt
002-82937	82937	2/0 STR	Burndy Richards Manufacturing 3M TE Connectivity	YE26LH89 APT10 SC0020 ASBP-2-4/0-6	W241, U26RT DI: 324, 840 W249, U28ART Shear bolt
002-82938	82938	3/0 STR	Burndy Richards Manufacturing 3M TE Connectivity	YE27LH91 N/A SC0030 ASBP-2-4/0-6	W243, U27RT N/A W249, U28ART Shear bolt
002-82939	82939	4/0 STR	Burndy Richards Manufacturing 3M TE Connectivity	YE28LH128 APT12 SC0040 ASBP-2-4/0-6	W-BG, W243, U28RT DI: 324, 840 W249, U28ART Shear bolt
002-82940	82940	500 MCM	Burndy Richards Manufacturing 3M TE Connectivity	YE34LH120 APT18 N/A ASBP-500-750-12	U34RT DI: 140H, 301 N/A Shear bolt
002-82941	82941	750 MCM	Burndy Richards Manufacturing 3M TE Connectivity	YE39LH120 APT23 N/A ASBP-500-750-12	U39RT DI: 140H, 301 N/A Shear bolt

— End of Specification —



Appendix

Appendix 1: Table of Compliance

Line	Description	Pass/Fail (P / F)	Comments
1	The Proponent complies with the specification document 4350.044.		
2	The Proponent complies with the industry standards established in the specification document.		
3	Tech. info., tests & drawings provided.		
4	Voltage Class: 15 kV		
5	Aluminum, Tin-Plated		
6	For stranded copper conductors. Refer to Table 1 for cable size compatibility.		
7	Shall be able to be installed with mechanical connectors (shear bolt) or crimped with a high-pressed tool. See table 1 for specific installation method and tool.		

NOTE: This table is only a checklist 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.











4350.044 Pin Terminal Connector (7-19-24)

Final Audit Report

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