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One Phase Span Tap Connector

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Related/Referenced Documents

N/A.

Version History

Version	Date	Revision
04	Dec. 03, 2021	Initial release.
05	Apr. 14, 2022	Format revision, TOC created.
06	Jul. 22, 2024	Format corrections, TOC update, Section 4 modified, and sections order rearranged.



Item Version History

Warehouse Catalog #	Asset Suite	Version	Date
002-03695	58176	6	07/22/2024



1. Introduction

This is a general specification that covers the minimum requirements for the one phase span tap connector 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

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)

Ten (10) units per box or as requested by LUMA Energy.

8. Acceptance Criteria

- 8.1. Latest applicable codes, standards, and other regulations.
- 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. ANSI/NEMA
- 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. One phase mid span mechanical tap connector for copper, and aluminum conductors.
- 9.2. To be used on secondary triplex overhead lines.
- 9.3. Pre-filled with penetrox and sealed.
- 9.4. Supply with high density weather resistant polyethylene case
- 9.5. Conductor range for run: stranded cable #2 – 4/0 AWG.
- 9.6. Conductor range for tap: solid cable #6 – stranded cable 1/0 AWG.
- 9.7. Material: Aluminum alloy, unplated.

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 #	Compatible Manufacturer	Model
002-03695	58176	Burndy	S4P28A

— 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 4350.096.		
2	Industry Standards	The Proponent complies with the industry standards established in the specification document. (ANSI/NEMA)		
3	Type	Single Phase Span Tap Connector		
4	Material	Connector: Cast aluminum alloy, unplated Case: High density weather resistant polyethylene		
5	Product Requirement	Suitable for copper and aluminum conductors		
6	Product Requirement	Pre-filled with oxide inhibitor compound		
7	Product Requirement	Supply with high density weather resistant polyethylene case		
8	Product Requirement	Conductor range for run: stranded cable #2 – 4/0 AWG		
9	Product Requirement	Conductor range for tap: solid cable #6 – stranded cable 1/0 AWG		

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.











4350.096 Span tap connector (07-22-2024)

Final Audit Report

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