



Document Title:  
**Male Service Post Connector**

Document Type:  
**50 - MATERIAL SPECIFICATION**

Document No.:  
**4300.50.118**

Department:  
**Distribution Engineering**

Version:  
**04**

Effective Date:  
Nov 10, 2025

For others, specify here

**Shared document with: N/A**

*\* Select the Departments impacted by the document (If apply)*

For others, specify here

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**Related/Referenced Documents**

N/A

**Version History**

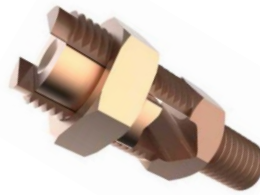
Version	Date	Revision
01	May. 23, 2022	PREPA to LUMA format (Rev. 8)
02	Nov. 23, 2022	Sections 3, 4, and 7 edited (Rev. 9)
03	Jul. 23, 2024	Format corrections, TOC update, Section 4 modified, Engineers license number was added, and sections order rearranged.
04	Nov. 10, 2025	General format revision. Revision of section 9. Added item 002-03679 from document 4350.090. This document will supersede document 4350.090. Changed Document Number (Legacy Number: 4350.118) to new Engineering Records nomenclature number 4300.50.118

## Item Version History

Warehouse Catalog #	Asset Suite #	Version	Date
002-03679	58175	9	11/10/2025
002-82925	82925	4	11/10/2025
002-83411	83411	3	11/10/2025

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## 1. Introduction

This is a general specification that covers the minimum requirements for male service post 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 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. Compatibility

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: One (1) unit per box or as requested by LUMA.

## **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:

**ASME B1.1** Standard for the thread form, series, class, allowance, tolerance, and designation for unified screw threads.

**ASME B18.2.2** Standard for the complete general and dimensional data for the various types of inch series square and hex nuts, including machine screw nuts and coupling nuts

**ASTM F468** Standard for nonferrous bolts, hex cap screws, socket head cap screws, and studs for general use.

**UL467** Standard for safety grounding and bonding equipment

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

## **9. Description**

9.1. Male service post connectors are to be used to ground one or two cables to steel structures, fence posts, transformers, also used to tap one or two cables from bus bar.

9.2. One-Wrench installation

9.3. The connector must include one (1) split lock washer, and one (1) hex nut for the stud, if required as per Table 1.

9.4. Material: Copper or bronze alloy.

## **10. Inspection**

10.1. Upon inspection of incoming product, the purchaser reserves the right to refuse product 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.

## **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 Number	Asset Suite	Stud Diameter and Thread	Approximate Stud Length	Conductor Quantity and Size Range	Split Lock Washer and Nut	Compatible Model
002-03679	58175	1/2 in - 13	1 in (25.4 mm)	1 conductor Solid #8 AWG to Str #2 AWG	No	Burndy KC22J12T13
002-82925	82925	1/2 in - 13	1.04 in. (26.4 mm)	2 conductors Stranded #2 to 1/0 AWG	Yes	Burndy K2C25B1- NSP
002-83411	83411	5/8 in - 11	1.23 in. (31.2 mm)	2 conductors Stranded #1 AWG to 350 MCM	Yes	Burndy K2C31B1- NSP

## Appendix

## Appendix 1: Table of Compliance

Line	Description	Pass/Fail (P / F)	Comments
1	Compliance with the document 4300.50.118		
2	Industry standards: ASME B1.1, ASME B18.2.2, ASTM F468, UL467		
3	Tech. info. and drawings provided.		
4	Male service post connector		
5	For one or two cables (See Table 1)		
6	One-Wrench installation		
7	One (1) split lock washer, and one (1) hex nut for the stud, if required (see Table 1)		
8	Copper or bronze alloy		

**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.**











# 4300.50.118 Male Ground Post Connector (11-10-2025)

Final Audit Report

2025-11-10

Created:	2025-11-10
By:	Rodolfo Flores (rodolfo.floresortiz@lumapr.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAA_-RMSjJZOYlu3Af0ChWfbDxVBFNbnZej

## "4300.50.118 Male Ground Post Connector (11-10-2025)" History

-  Document created by Rodolfo Flores (rodolfo.floresortiz@lumapr.com)  
2025-11-10 - 5:53:13 PM GMT
-  Document emailed to Rodolfo Flores (rodolfo.floresortiz@lumapr.com) for signature  
2025-11-10 - 5:53:18 PM GMT
-  Document e-signed by Rodolfo Flores (rodolfo.floresortiz@lumapr.com)  
Signature Date: 2025-11-10 - 5:54:03 PM GMT - Time Source: server
-  Document emailed to Miguel Rios (miguel.rioslopez@lumapr.com) for signature  
2025-11-10 - 5:54:05 PM GMT
-  Email viewed by Miguel Rios (miguel.rioslopez@lumapr.com)  
2025-11-10 - 6:03:40 PM GMT
-  Document e-signed by Miguel Rios (miguel.rioslopez@lumapr.com)  
Signature Date: 2025-11-10 - 6:07:59 PM GMT - Time Source: server
-  Document emailed to Ricardo Castro (ricardo.castro@lumapr.com) for signature  
2025-11-10 - 6:08:01 PM GMT
-  Email viewed by Ricardo Castro (ricardo.castro@lumapr.com)  
2025-11-10 - 6:16:19 PM GMT
-  Document e-signed by Ricardo Castro (ricardo.castro@lumapr.com)  
Signature Date: 2025-11-10 - 6:23:25 PM GMT - Time Source: server
-  Agreement completed.  
2025-11-10 - 6:23:25 PM GMT