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Socket Eye Connector

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01	Dec. 17, 2021	PREPA to LUMA format for Item 002-12258.
02	Apr. 13, 2022	Table of compliance (TOC) added.
03	Jul. 24, 2023	Cover page added. Document changed as shared between T&D. General format and TOC modifications.
04	Nov. 22, 2023	General format modifications. Hubbell model changed.
05	Dec. 04, 2025	General format modifications. Table of Contents added. Item 002-13405 added. Document number changed from 4350.129 (Legacy Number) to 4300.50.129 (New Engineering Records Nomenclature Number).

Item Version History

Warehouse Catalog #	Asset Suite #	Version	Date
002-12258	56589	7	12/04/2025
002-13405	55834	1	12/04/2025

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1. Introduction

This is a general specification that covers the minimum requirements for socket eye connectors to be used in the distribution and transmission systems 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. Compatible with

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: Ten (10) units 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:

a. ASTM A153: for zinc coating (Hot-Dip Galvanized) on iron and steel hardware.

8.4. If any other standards 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. Socket eye connectors are used as couplings to ball and socket type devices in the overhead distribution and transmission systems for constructions and maintenance.

9.2. Shall be made of hot dip galvanized (HDG) steel or ductile iron as per ASTM A153.

9.3. Shall be furnished with flexible stainless steel cotter pin.

9.4. Shall be compatible with ANSI Class 52-3 and 52-5 devices.

9.5. Each socket eye shall be marked with the manufacturer's name, catalog number, and ultimate strength.

9.6. Strength and dimensions as per Table 1.

10. Inspection

10.1. Upon inspection of incoming products, the purchaser reserves the right to refuse their 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 or out of compliance.

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 Catalog #	Asset Suite #	Ultimate Strength	Eye Width (W)	Pin Hole Diameter (D)	Socket Length (L)	Compatible Manufacturer & Model
002-12258	56589	30,000 lbf (133 kN)	7/8" (2.2 cm)	11/16" (1.7 cm)	2-1/16" (5.2 cm)	Hubbell (SA07) MacLean (SI875)
002-13405	55834	20,000 lbf (89 kN)	5/8" (1.6 cm)	11/16" (1.7 cm)	2-1/16" (5.2 cm)	Hubbell (SA05) MacLean (SI625)

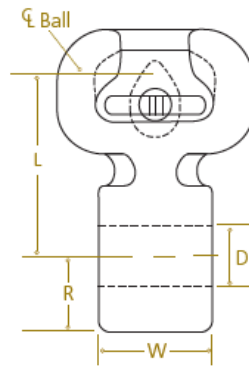


Figure 1

- End of Specification -

Appendix

Appendix 1: Table of Compliance

Line	Description	Pass/Fail (P / F)	Comments
1	Compliance with the document 4300.50.129		
2	Industry standards: ASTM A153		
3	Tech. info. and drawings provided.		
4	Socket Eye Connector		
5	HDG as per ASTM A153		
6	Stainless Steel Cotter Pin		
7	Compatible with ANSI 52-3 and 52-5 devices.		
8	Strength as per Table 1.		
9	Dimensions as per Table 1.		
10	Markings: Manufacturer's name, Catalog number, and Strength.		

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.












4300.50.129 Socket Eye Connector (12-4-25)


Final Audit Report

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