



Document Title:

**Clamp Star Connector with Rigid Frame for 556.5 KCMIL 26/7 ASCR Conductor**

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**Specification**

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**Related/Referenced Documents**

Include the applicable document, section, or reference "add link here".

**Version History**

Version	Date	Revision
01	27/08/24	First Issue

## **1. General**

### **1.1. Purpose**

- 1.1.2. This is a general specification that covers the minimum requirements for a Clamp Star Connector with Rigid Frame for 556.5 KCMIL ACSR to be used in the transmission and distribution system in Puerto Rico.

### **1.2. Overview**

- 1.2.1. Further information will be provided by LUMA Energy at the time of order placement and will provide information on site conditions, quantity, and other requirements.

This document includes the general electrical and mechanical characteristics of the material.

### **1.3. Applicable Guidelines, Codes and Standards**

- 1.3.1 A Latest applicable codes, standards, and other regulations: ANSI/ASTM

## **2. Materials**

Clamp Star Connector with Rigid Frame for 556.5 KCMIL 26/7 ASCR Conductor

### **2.1. Specific Requirements**

- 2.1.1. Samples shall be furnished if requested by LUMA.
- 2.1.2. LUMA may require one (1) unit properly labeled for testing and analysis.
- 2.1.3. Descriptive and technical literature shall be supplied if requested by LUMA.
- 2.1.4. Vendors that have supplied this material to PREPA in previous orders, will not have to furnish samples at bid opening.
- 2.1.5. They shall be required to show evidence of LUMA's approval of the equipment if requested.

### **2.1. Basic Use**

- 2.2.1. As a Connector Corrector that is intended to correct and reinforce the deteriorated electrical and mechanical performance of hot-running, aged, or degraded splices and other connectors, clamps and fittings on overhead transmission and distribution conductors.

## **2.3 Description**

Clamp Star Connector with Rigid Frame for 556.5 KCMIL ACSR consists of a main Clamp Star body and two individual Keeper Shoes.

Average weight: 36.6 lbs.

LUMA Warehouse Number: **002-86350**

### 3. Safety

3.1 All material and equipment 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.

### 4. Acceptance Criteria

4.2. Latest applicable codes, standards, and other regulations: ANSI/ASTM.

### 5. Reference Documents

5.2. As approved by LUMA.

### 6. Compatible With

6.1 Clamp Star Catalog No. CSR-1140FT-048

6.1.1 This model is an example 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.

### 7. Proposal Information

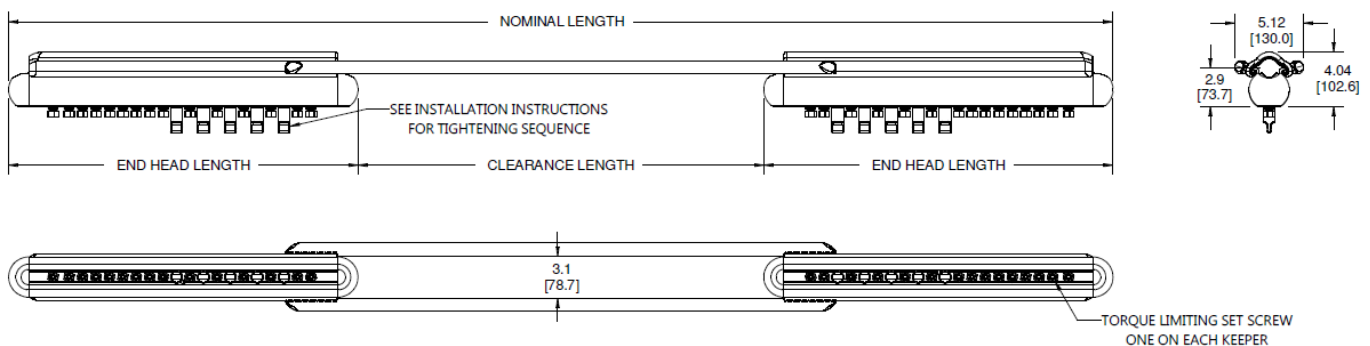
7.1. Submitted proposal must include:

- a. Technical information
- b. Table of Compliance completed by the bidder with reference (see Appendix 1)

### 8. Inspection

8.2. The acceptance of any material or equipment shall in no way relieve the vendor from his responsibility to meet all the requirements of this specification, and it shall not prevent subsequent rejection if such material is found to be defective later.

### 9. Drawings



Nominal Length	Clearance Length	End Head Length	Conductor Diameter Range	Nut Wrench Required	Fastener Per Side	Warehouse Number
100.0"	48"	26"	0.814"-1.140"	3/4	20	002-86350

— 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 (4752.341)		
2	Industry Standards	The Proponent complies with the industry standards established in the specification document (ANSI, ASTM).		
3	Material	Clamp Star Connector with Rigid Frame for 556.5 KCMIL 26/7 ASCR Conductor: <ul style="list-style-type: none"> <li>• Main Clamp Star body</li> <li>• Two individual Keeper Shoes.</li> </ul>		
4	Dimensions	Nominal Length: 100.0"		
		Clearance Length: 48"		
		End Head Length: 26"		
		Conductor Diameter Range: 0.814"-1.140"		
		Nut Wrench Required: 3/4		
		Fastener Per Side: 20		
5	Weight	36.6 lb		
6	Requirements	<ul style="list-style-type: none"> <li>• Samples shall be furnished if requested by LUMA.</li> <li>• LUMA may require one (1) unit properly labeled for testing and analysis.</li> <li>• Descriptive and technical literature shall be supplied if requested by LUMA.</li> <li>• Shall be required to show evidence of LUMA's approval of the equipment if requested.</li> <li>• Vendors that have supplied this material to PREPA in previous orders, will not have to furnish samples at bid opening.</li> </ul>		










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Final Audit Report

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