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Strut Channel Clamp

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Related/Referenced Documents

N/A

Version History

Version	Date	Revision Comments
1	Nov. 11, 2022	Initial release
2	Jul. 29, 2024	General format modifications, TOC updated, Section 4 modified, and sections order rearranged.



Item Version History

Warehouse Catalog #	Asset Suite #	Version	Date
002-84270	84270	2	7/29/2024
002-84271	84271	2	7/29/2024



1. Introduction

This is a general specification that covers the minimum requirements for the strut channel nut 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)

Twenty-five (25) units per package or as requested by LUMA Energy.

8. Acceptance Criteria

- 8.1. Test required: certified by external 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:
- 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. Strut channel nut (or spring nut) use for attaching material and equipment to strut channels.
- 9.2. Materials shall be low carbon steel with a zinc finish, as per ASTM F1941 or equivalent.
- 9.3. It shall be manufactured with a spring section that self-lock the nut against the strut channel.
- 9.4. It shall be compatible with 1-5/8" strut channels.
- 9.5. It shall be manufactured with a threaded center hole. Size of the thread shall be as per Table 1.

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: Material, Warehouse and Asset Suite Identification Number

Warehouse Number	Asset Suite	Thread Size	Compatible Manufacturer	Compatible Model
002-84270	84270	1/2 in. – 13 UNC	Fastenal	48604
002-84271	84271	3/8 in. – 16 UNC	Fastenal	48603

— End of Specification —



Appendix

Appendix 1: Table of Compliance

Line	Description	Pass/Fail (P/F)
1	The Proponent complies with the corresponding specification document.	
2	The Proponent complies with the industry standards established in the specification document. (ANSI, ASTM)	
	Tech. info., tests & drawings provided.	
3	<ul style="list-style-type: none">• Low carbon steel with a zinc finish	
4	<ul style="list-style-type: none">• Manufactured with a spring section.• Manufactured with a threaded center hole. Sizes as per Table 1	
5	<ul style="list-style-type: none">• Compatible with 1-5/8" strut channels.	

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.











4350.298 Strut Channel Nut (07-29-2024)

Final Audit Report

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