



Document Title:
Wildlife Protection – Fuse Cutout Cover

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Distribution

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Related/Referenced Documents

N/A

Version History

Version	Date	Revision Comments
1	Nov 8,2021	Initial
2	Feb 16,2022	Format corrections
3	Apr 4, 2022	Signature format added.
4	Aug 6 2024	Format corrections, TOC update, Section 4 modified, and sections order rearranged.



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Item Version History

Warehouse Catalog #	Asset Suite #	Version	Date
072-82414	82194	4	Aug 6 2024



1. Introduction

This is a general specification that covers the minimum requirements for Wildlife Protection – Fuse Cutout Cover 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 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. 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 manufacturer and model 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. Each item must be permanently identified with the supplier's catalog number, trip current value, minimum reset value, date code and tags to be waterproof.

- 5.3. Each item must be marked with the manufacturer’s identification number on the upper portion of the hub.

6. Packaging

- 6.1. 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)

- 7.1. Supplier shall indicate the logistics at opening bid or quantity as requested by LUMA.
- 7.2. Twelve (12) units per box or as required by LUMA Energy.

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. IEEE 1656-2010 - Guide for Testing the Electrical, Mechanical, and Durability Performance of Wildlife Protective Devices on Overhead Power Distribution Systems Rated up to 38 kV
- 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. The wildlife protection for fuse cutout is to be used to protect wire connections in the upper part of fuse cutouts from animals and direct washing by rain or accumulation of particulate matter from the atmosphere complying with standard IEEE 1656-2010.
- 9.2. Shall be constructed of corrosive resistant material and provide ultra-violet stability and flame retardancy. Shall comply with IEEE 1656-2010.
- 9.3. Shall be easy to install and compatible with hot stick tool for energized and de-energized system installation.
- 9.4. Shall be closed enough to cover all bolted connections but keeping enough space for the cutout operation.



- 9.5. Shall include mechanisms (clamps, pins, etc.) that securely fit to the cutout to prevent the cover from blowing off or becoming dislodged during high winds or other natural events. These mechanisms shall be constructed of corrosive resistant material and provide ultra-violet stability and flame retardancy.
- 9.6. Shall provide opening to accommodate incoming cable in various conductor diameters.
- 9.7. Shall be compatible with 27 kV, 150kVBil, 100- and 200-amps polymer cutout models.

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. Any exceptions taken to this specification.
 - c. 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 #	Equipment	Compatible Manufacturer	Part #
072-82414	82414	Wildlife Protection	Hubbell Reliaguard	CO-10007

— End of Specification —



Appendix



Appendix 1: Table of Compliance

Line	Description	Pass/Fail (P / F)	Comments
1	The Proponent complies with the corresponding specification document (4350.009).		
2	The Proponent complies with the industry standards established in the specification document. (IEEE)		
3	Tech. info., tests & drawings provided.		
4	Shall be furnished as a set including the lead section, extension, and tripleye nut.		
5	The wildlife protection for fuse cutout is to be used to protect wire connections in the upper part of fuse cutouts from animals and direct washing by rain or accumulation of particulate matter from the atmosphere.		
6	Shall be constructed of corrosive resistant material and provide ultra-violet stability and flame retardancy. Shall comply with IEEE 1656-2010.		
7	Shall be easy to install and compatible with hot stick tool for energized and de-energized system installation.		
8	Shall be closed enough to cover all bolted connections but keeping enough space for the cutout operation.		
9	Shall include mechanisms (clamps, pins, etc.) that securely fit to the cutout to prevent the cover from blowing off or becoming dislodged during high winds or other natural events.		
10	Shall provide opening to accommodate incoming cable in various conductor diameters.		
11	Shall be compatible with 27 kV, 150kVBil, 100- and 200-amps polymer cutout models.		

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.











4350.009 Wildlife Protection - Fuse Cutout (Aug 2024)

Final Audit Report

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