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Document Title:

Insert Clip for Air Break Switch Guard for Wildlife Protection

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Related/Referenced Documents

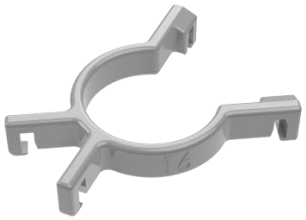
N/A

Version History

Version	Date	Revision
01	Jul. 14, 2025	Initial release

Item Version History

Warehouse Catalog #	Asset Suite #	Version	Date
072-81469	81469	01	07/14/2025



1. Introduction

This is a general specification that covers the minimum requirements for the insert clip for air break switch guard for wildlife protection 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 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 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 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. 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 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.

6.2. A list of all parts included in the container and/or package must be provided at the time of delivery so that 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 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:

a. IEEE 1656: 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 is used, the supplier must provide information showing compatibility with the required ones.

9. Description

9.1. The insert clip adapter is used to enable wildlife protection barriers to be used in switches where insulators have a small core diameter.

9.2. Material shall be polycarbonate and meet requirements of IEEE 1656, latest edition.

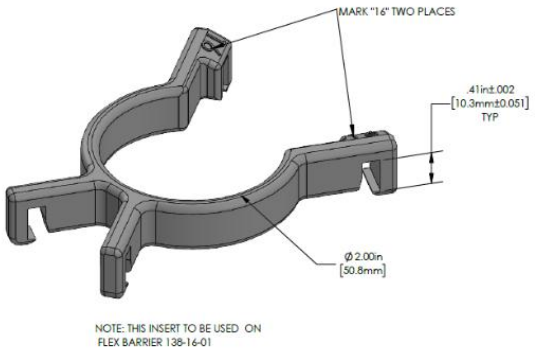
9.3. Shall be flame retardant and resists UV radiation, corona effect, and exposure to salt, weather and chemicals.

9.4. Shall have an interior diameter of 2 in. with a flexible opening that fits a variety of insulator cores diameters.

9.5. Shall be manufactured with 4 attaching extensions that secures the adapter clip to barrier. Shall be removable and reusable.

9.6. Shall be compatible with Midsun Group E/Flex Bar-G-16".

9.7. Figure 1: Reference drawing



10. Inspection

10.1. Upon inspection of incoming equipment/material, 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 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, 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

Item	Warehouse Catalog #	Asset Suite #	Compatible Manufacturer & Model
Switch Barrier Insert Clip Adapter	072-81469	81469	Midsun Group E/INSERT-FLEX-16-G

—End of Specification —

Appendix

Appendix 1: Table of Compliance

Line	Description	Pass/Fail	Comments
1	Industry Standards: IEEE 1656.		
2	Tech. info., drawings, and tests provided.		
3	Material shall be polycarbonate		
4	•Flame retardant. •Resists UV, corona, and exposure to salt, weather and chemicals.		
5	•Shall have an interior diameter of 2 in. with a flexible opening.		
6	•4 attaching extensions that secures the adapter clip to barrier. •Shall be removable and reusable.		
7	•Compatible with Midsun Group E/Flex Bar-G-16".		

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.

4350.360 Insert Clip for Air Break Switch Guard for Wildlife Protection

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