



Document Title:

Midget Fuse Holder 600 V, Breakaway, Waterproof

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Version History

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June 1, 2023	Correction of Warehouse Catalog number. General revision.

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Midget Fuse Holder

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1. Introduction

This is a general specification that covers the minimum requirements for midget fuse holders 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 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 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. For products described in this specification as requiring qualification, awards will be made only for such products that, prior to the time for opening of bids, had been tested and/or approved by LUMA. Evidence of LUMA Energy's approval of the equipment or material shall be supplied by vendor if requested by LUMA Energy.

4. Markings

- 4.1. Containers shall be marked outside with LUMA Energy's purchase order and item number.
- 4.2. Packaging labels and tags shall be waterproof.

5. Compatible with:

- 5.1. Eaton – Bussmann Series – Catalog #: HEB-AW-RLC-A
- 5.2. Thomas & Betts – Catalog #: 65U
- 5.3. Littlefuse, Inc. – Catalog #: LEB-AA-SK

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6. Packaging

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.

7. Number Per Package (Logistics)

Twenty (20) units per box or as requested by LUMA Energy.

8. Acceptance Criteria

- 8.1. Test required: certified by external laboratories.
- 8.2. Latest applicable codes, standards, and other regulations:
 - a. UL 4248 – Standard for Fuse Holders General Requirements
 - b. UL 512 – UL Standard for Safety Fuse Holders
 - c. IEC 60529 (IP67) – Standard for the degrees of protection provided by enclosure (IP Code)
 - d. RoHS - Compliance

9. Description

- 9.1. Single conductor, breakaway in-line fuse holder for UL 13/32 in x 1 ½ in (10.32 mm x 38.1 mm) fuses.
- 9.2. Fuse holder must be rated for 600 V, 30 Amps, 200 KA RMS symmetrical.
- 9.3. Fuse holder must include insulating boots.
- 9.4. Must be suitable for outdoor use.
- 9.5. Fuse holder must be completely water-tight conforming to UL IP67 without the use of any adhesive tape.
- 9.6. Breakaway fuse holder must allow separation of the kit without de-energizing the circuit.
- 9.7. Fuse holder, when open, must be capable to contain all exposed current-carrying components in the load side of the kit.
- 9.8. Must be compatible with BAF, FNM, FNO, KLM, and KTK fuses.
- 9.9. Must be designed to be crimped with hand tool plier type crimping tool.

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- 9.10. Must accommodate the following conductor sizes:
- a. Line: #8 to #14 AWG solid or stranded single conductor.
 - b. Load: #8 to #14 AWG solid or stranded single conductor.

9.11. Material: EPDM Rubber

10. Inspection

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 would not prevent subsequent rejection if such materials were found later to be defective.

11. Proposal Information

- 11.1. Submitted proposals must include:
- a. Technical information
 - b. Table of Compliance completed by the bidder with reference. (See Appendix 1)

— End of Specification —

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Appendix

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Appendix 1: Table of Compliance

Line	Criteria	Description	Pass/Fail (P / F)	Comments
1	Specification	The Proponent complies with the corresponding specification document (4350.200).		
2	Industry Standards	The Proponent complies with the industry standards established in the specification document. (UL, IEC, ROHS)		
3	Electrical Characteristics	<ul style="list-style-type: none"> • 600 V • 30 Amps • 200 kA 		
4	Environmental Characteristics	<ul style="list-style-type: none"> • Suitable for outdoor use • Completely water-tight conforming to UL IP67 		
5	Construction and compatibility	<ul style="list-style-type: none"> • Breakaway fuse holder must allow separation of the kit without de-energizing the circuit. • Fuse holder, when open, must be capable to contain all exposed current-carrying components in the load side of the kit. • Must be compatible with BAF, FNM, FNQ, KLM, and KTK fuses. • Must be designed to be crimped with hand tool plier type crimping tool. • Material: EPDM Rubber 		
6	Cable Range	<ul style="list-style-type: none"> • Line: #8 to #14 AWG solid or stranded single conductor. • Load: #8 to #14 AWG solid or stranded single conductor. 		











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Final Audit Report

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