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Fuse, Midget Size One-Time Non-Renewable

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Material Specifications

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Document History

Version	Date	Revision Comments
1	02/17/2022	Initial Release
2	04/14/2023	Added items 010-84628, 010-84629, and 010-84630. Added cover page and TOC

Warehouse Catalog	Item Version	Date
010-84628	1	04/14/2023
010-84629	1	04/14/2023
010-04746	4	04/14/2023
010-84630	1	04/14/2023



Equipment Specification

Document No.: 4350.192

Originating Department: Distribution Engineering

Fuse, Midget Size One-Time Non-Renewable



1. Introduction

This is a general specification that covers the minimum requirements for the fuse, midget size one-time non-renewable 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 material.

2. Special Requirements

Samples shall be furnished as requested by LUMA Energy. Vendors that have supplied this 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. Quantity/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. 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 PREPA's and/or LUMA Energy's approval of the equipment or material shall be supplied by the vendor if requested by LUMA Energy.

4. Markings

- 4.1. Containers shall be marked outside with LUMA Energy's purchase order, item number, name and size, net and gross weight, manufacturer's name, and lot number.
- 4.2. Fuse type, voltage, and ampere rating shall be stamped in a visible place.
- 4.3. Packaging labels and tags shall be waterproof.

5. Equal or Approved Equal to

- 5.1. EATON BUSSMANN
- 5.2. MERSEN
- 5.3. LITTLEFUSE



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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)

Ten (10) per package or as required by LUMA Energy.

8. Acceptance Criteria

- 8.1. Test required: certified by external laboratories.
- 8.2. Latest applicable codes, standards, and other regulations: CE, CSA, UL

9. Description

9.1. One-time midget ferrule type fuse.

9.2. Must have the following characteristics:

- a. Voltage Rating: 600 Volts
- b. Overall length: 1-1/2 inch (3.81 cm)
- c. Ferrule diameter: 13/32 inch (1.03 cm)
- d. Minimum interrupting rating: 17,000 Amperes RMS

9.3. Table 1: Ampere Rating

Warehouse Number	Asset Suite	Ampere Rating (A)	Suggested Model		
			Eaton Bussmann	Mersen	Littlefuse
010-84628	84628	10	KTK-10	ATM10	KLK10
010-84629	84629	15	KTK-15	ATM15	KLK15
010-04746	55891	20	KTK-20	ATM20	KLK20
010-84630	84630	30	KTK-30	ATM30	KLK30



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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 (4350.192).		
2	Industry Standards	The Proponent complies with the industry standards established in the specification document.		
3	Fuse Type	One-time midget ferrule		
4	Electrical Requirements	<ul style="list-style-type: none">• Voltage: 600V• Min. Interrupting Rating: 17,000 A RMS• Current Rating: See Table 1		
5	Dimensions	<ul style="list-style-type: none">• Overall length: 1-1/2 in.• Ferrule diameter: 13/32 in.		











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Final Audit Report

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