



Document Title:
Fuse 14.4 kV PM Power

Document Type:
Material Specification

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Department:
Distribution Standards & Materials

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Document History

Date	Revision Comments
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Equipment Specification
Document No.: 4350.277
Item No.: 010-01791
Asset Suite: 55302
Originating Department: Distribution Engineering



Fuse 14.4 kV PM Power

1. Introduction

This is a general specification that Fuse 14.4 kV PM power 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 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 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. Labels and tags shall be waterproof.

5. Equal or Approved Equal to

S & C Electric, Co. "k"-Speed TCC no. 165-6 catalog no. 512040R2.

Fuse 14.4 kV PM Power

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)

One (1) unit 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: Units shall be tested in accordance with the procedures described in ANSI standard c37.46: specifications for power fuse and disconnect switches.

9. Description

- 9.1. 40k amp 14.4kv s & c "k"-speed tcc165-6 pad-mounted power fuse. fuse unit for pad-mounted enclosures, designed in accordance with the minimum melting time-current characteristic curve. tcc165-6, "k"-speed.
- 9.2. Shall have the following characteristics:
 - a. Ampere Rating: 40 K Ampere
 - b. Nominal Operating Voltage: 14.4 kV
 - c. Style: for vertical 45 degrees fuse opening

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 —

Equipment Specification

Document No.: 4350.268

Item No.: 010-01791

Asset Suite: 55302

Originating Department: Distribution Engineering

Fuse 14.4 kV PM Power

Appendix

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Fuse 14.4 kV PM Power

Appendix 1: Table of Compliance

Line	Criteria	Description	Pass/Fail (P / F)	Comments
1	Specification	The Proponent complies with the corresponding specification document.		
2	Industry Standards	The Proponent complies with the industry standards established in the specification document. (ANSI)		
3	Type	Fuse 14.4 kV PM Power		
4	Characteristics	<ul style="list-style-type: none">• Ampere Rating: 40 K Ampere• Nominal Operating Voltage: 14.4 kV• Style: for vertical 45 degrees fuse opening		












4350.277 Fuse 14.4 kV PM Power (10-10-2022)

Final Audit Report

2022-10-10

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