



Document Title:
Fuse Refill, Type RBA-200

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Related/Referenced Documents

N/A

Version History

Version	Date	Revision Comments
1	Dic. 23, 2021	Initial Release
2	Jul. 16, 2024	Format corrections, TOC created, Section 4 modified, and sections order rearranged.



Item Version History

Warehouse Catalog #	Asset Suite #	Version	Date
010-07343	54963	4	7/16/2024
010-07350	54964	4	7/16/2024
010-07566	54974	4	7/16/2024
010-07442	54970	4	7/16/2024
010-07574	54975	4	7/16/2024
010-07582	54976	4	7/16/2024
010-07590	54977	5	7/16/2024
010-07608	54978	5	7/16/2024
010-07616	54979	5	7/16/2024
010-07483	54972	4	7/16/2024
010-07624	54980	4	7/16/2024



1. Introduction

This is a general specification that covers the minimum requirements for the fuse refill, 14.4 kV type RBA 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

- 4.1. EATON. See Table 1 for catalog number.
- 4.2. 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, item number, name and size, net and gross weight, manufacturer's name, and lot number.
- 5.2. Fuse type, voltage, and ampere rating shall be stamped in a visible place.
- 5.3. Packaging labels and tags shall be waterproof.

6. Packaging

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)

One (1) per package or as required by LUMA Energy.

8. Acceptance Criteria

- 8.1. Test required: certified by external 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. ANSI C37.40: Standard service Conditions and Definitions for High-Voltage Fuses, Distribution Enclosed Single-Pole Air Switches, Fuse Disconnecting Switches, and Accessories
 - b. ANSI C37.41: Standard Design Tests for High-Voltage (>1000 V) Fuses and Accessories
- 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. Fuse refill for standard RBA-200 to be used for pad-mounted transformer protection.
- 9.2. Spare part for expulsion boric acid (BA) type fuse in accordance with the minimum melting-time characteristic curve for standard speed.
- 9.3. Shall be manufactured and tested as per ANSI standards C37.41.

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. Table of Compliance completed by the bidder with reference (see Appendix 1).



12. Table 1: Ampere Rating, Warehouse and Asset Suite Identification Number

Warehouse Number	Asset Suite Number	Voltage Rating (kV)	Ampere Rating (A)	Suggested Model
010-07343	54963	7.2	10E	8-RBA2-10E
010-07350	54964	7.2	15E	8-RBA2-15E
010-07566	54974	14.4	25E	15-RBA2-25E
010-07442	54970	7.2	50E	8-RBA2-50E
010-07574	54975	14.4	50E	15-RBA2-50E
010-07582	54976	14.4	80E	15-RBA2-80E
010-07590	54977	14.4	100E	15-RBA2-100E
010-07608	54978	14.4	125E	15-RBA2-125E
010-07616	54979	14.4	150E	15-RBA2-150E
010-07483	54972	7.2	200E	8-RBA2-200E
010-07624	54980	14.4	200E	15-RBA2-200E

— 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 (4350.148).		
2	The Proponent complies with the industry standards established in the specification document (ANSI/ASTM).		
3	Tech. info., tests & drawings provided.		
4	Type: Spare part for expulsion boric acid (BA) type fuse in accordance with the minimum melting-time characteristic curve for standard speed.		
5	Shall be manufactured and tested as per ANSI standards C37.41.		
6	Voltage and Amp rating as per required in Section 12, Table 1		

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.











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Final Audit Report

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