



## 1. APPLICATION

- A. Distribution cutouts are installed on poles and crossarms to protect and sectionalize equipment and tap conductors on EWEB's 12.47 kV grounded wye electric distribution system.

## 2. REFERENCE STANDARDS

- A. The cutouts shall be manufactured, tested and furnished according to the latest edition, revision or amendments to the following standards except as modified herein.
- 1) IEEE Std. C37.41 – IEEE Standard Design Tests for High-Voltage (>1,000V) Fuses, Fuse Disconnecting Cutouts, Distribution Enclosed Single-Pole Air Switches, Fuse Disconnecting Switches, and Fuse Links and Accessories Used with These Devices.
  - 2) IEEE Std. C37.42 – IEEE Standard Specifications for High-Voltage (>1,000V) Expulsion-Type Distribution Class Fuses, Fuse and Disconnecting Cutouts, Fuse Disconnecting Switches, and Fuse Links and Accessories Used with These Devices.
  - 3) Canadian Standards Association Std. C310 Distribution Class Polymeric Cutouts

## 3 PRODUCTS

### A. Ratings

- 1) 15 kV maximum voltage
- 2) 100 amps continuous current

**MATERIAL SPECIFICATION**  
EUGENE WATER & ELECTRIC BOARD

**DISTRIBUTION CUTOUT**

Aug 24, 2016 REV.

**ES4-6.3100 0**

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- 3) 10,000 amps, asymmetrical, interrupting capacity
- 4) 110 kV BIL

**B. General Requirements**

- 1) Shall be open type cutout with silicone polymer insulator material.
- 2) Shall be provided with two parallel grooved connectors, one on top and one on the bottom, each capable of accepting two conductors sized #6 solid through 4/0 stranded, either aluminum or copper.
- 3) Shall be provided with attachment hooks on the upper end of the cutout and a pull ring on the fuse tube for use with an S&C Electric Company load break tool.
- 4) Shall be provided with fiberglass fuse tube with removable cap and accept S&C Electric Company expulsion fuse links and be interchangeable with S&C Electric Company's Type XS cutout fuse tube.
- 5) Shall be provided with a galvanized steel crossarm bracket that can be slipped over the crossarm with the top mounting bolt connected to both sides of the bracket and the bottom mounting bolt connected to one side of the bracket and can be slipped into the other side of the bracket, Hubbell Power Systems type "V" easy-on bracket, or equal.

**4. TESTS**

- A. Factory Tests: Shall be tested in accordance with the referenced standards. The results of the testing shall be available to EWEB upon request.

**5. WARRANTY**

- A. Provide a warranty period of eighteen (18) months minimum after the date of final acceptance.
- B. Vendor warrants to EWEB that any goods/equipment furnished will operate and function in the manner represented by Vendor and will achieve the performance stated in the material specification when operating within the design conditions described therein.
- C. Vendor warrants the goods/equipment furnished is free from defects in material and workmanship, and agrees to repair or replace any unit that is unsuitable for

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operating or fails in operation during normal and proper use, including all parts and labor at no cost to EWEB.

6. PACKAGING AND DELIVERY

A. Items shall be suitably packaged to prevent damage. Manufacturer's name or symbol and catalog number shall be on each part or its packaging.

7. SUBMITTALS

A. If requested, vendor shall provide a drawing and descriptive information to show compliance with this specification for initial product approval, or approval of subsequent changes before shipment of product.

8. EWEB STORES INFORMATION

A. This material specification shall be used to purchase the material with the following EWEB stock codes:

450-0001240

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