## Product Characteristics

### Dimensions

#### 810 Series

- **Height (max):** 45.7 mm
- **Width:** 20.5 mm
- **Depth (max):** 12.7 mm
- **Holes in the printed circuit board:** 1.3 x 0.1

#### 811 Series

- **Height (max):** 45.7 mm
- **Width:** 20.5 mm
- **Depth (max):** 12.7 mm
- **Holes in the printed circuit board:** 1.3 x 0.1

#### 813 Series

- **Height (max):** 45.7 mm
- **Width:** 20.5 mm
- **Depth (max):** 12.7 mm
- **Holes in the printed circuit board:** 1.3 x 0.1

#### 814 Series

- **Height (max):** 45.7 mm
- **Width:** 20.5 mm
- **Depth (max):** 12.7 mm
- **Holes in the printed circuit board:** 1.3 x 0.1

### Compatible Fuse Types

<table>
<thead>
<tr>
<th>Series</th>
<th>810 Series</th>
<th>811 Series</th>
<th>813 Series</th>
<th>814 Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuse Type</td>
<td>5x20mm 6.3x32mm</td>
<td>5x20mm 6.3x32mm</td>
<td>5x20mm 6.3x32mm</td>
<td>5x20mm 6.3x32mm</td>
</tr>
</tbody>
</table>

### Materials

- **Holder/Cap:** Black Thermoplastic, UL94 V-0
- **Metal Parts:** Copper alloy, corrosion protected
- **Terminals:** Solderable, tinned

### Electrical Data (23°C)

- **Rated Voltage:** 250V
- **Rated Power:**
  - 2.5W (VDE)
  - 1.6W (813+816 - VDE)
  - 2.5W (814+816 - VDE)

### Mounting

1. **Solder pins 0.5mm x 1.1mm and plastic stud.** The pins spaced at 5.08mm form a common connection.
2. **Solder pins 0.5mm x 1.1mm.** The pins spaced at 5.08mm form a common connection.
3. **Solder pins 0.5mm x 1.1mm and plastic stud.**

### Protection Class & Category

- **IP 40 (IEC 60529)**
- **PC2 (IEC 60127-6)**

### Operating Temperature

- **-25°C to 70°C**

### Climatic Test

- **-25°C/+70°C/21 days (IEC 60068-2-1...3)**

### Stock Conditions

- **+10ºC to +60ºC relative humidity ≤ 75% yearly average, without dew, maximum value for 30 days - 95%**

### Vibration Resistance

- **24 cycles at 15 min. each (IEC 60068-2-6) 10 - 60Hz at 0.75mm amplitude 60 - 2000 Hz at 10g acceleration**

### Contact Resistance

- **≤ 5mΩ**

### Dielectric Strength

- **> 1.5 kV**

### Impulse Voltage

- **4 kV, 50 Hz, 1 min., dry**

### Insulation Resistance

- **> 10⁶ MΩ (600 VDC, 1 min.)**

### Solderability

- **235°C, 3 sec. (Wave) 350°C, 1 sec. (Soldering Iron)**

### Soldering Heat Resistance

- **260°C, 5 sec. (IEC 60068-2-20)**

### Min Cross Section

- **Conducting path - 0.2mm²**

### Marking

- 810, 250V, Approvals
- 811, 250V, Approvals
- 813, 250V, Approvals
- 814, 250V, Approvals

### Unit Weight

- **810/811:** 5.4g (Holder) / 2.5g (Cap)
- **813/814:** 5.2g (Holder) / 2.5g (Cap)
- **815 Cap:** 5.8g (Holder) / 2.5g (Cap)
- **816 Cap:** 4.6g (Holder) / 2.5g (Cap)

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Application testing is strongly recommended. Specifications are subject to change without notice.

Revised: 01/26/18
## Enclosed Fuseholders > Circuit Board Mounted

### Cartridge Fuse Holders

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<th>Part Number</th>
<th>Ordering Number</th>
<th>Packaging</th>
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<td>811</td>
<td>813</td>
<td>814</td>
</tr>
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<td></td>
<td></td>
<td>81500000005</td>
<td>Bulk 100</td>
</tr>
<tr>
<td>811</td>
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### Ordering Information

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<tr>
<th>Description</th>
<th>Ordering Number</th>
<th>Packaging</th>
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<tbody>
<tr>
<td>Cap, 5x20 mm</td>
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<td>Bulk 100</td>
</tr>
<tr>
<td>Cap, 6.3x32 mm</td>
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<tr>
<td>810 Series Holder</td>
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<tr>
<td>814 Series Holder</td>
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</tbody>
</table>

### Additional Information

- **Datasheet**
  - 810 Series
  - 811 Series
  - 813 Series
  - 814 Series

- **Resources**
  - 810 Series
  - 811 Series
  - 813 Series
  - 814 Series

- **Samples**
  - 810 Series
  - 811 Series
  - 813 Series
  - 814 Series

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