Specifications

**RATED CURRENT** 100A

- **Current Range** 10-120% of rated current
- **Accuracy** 0.5%
- **Voltage Drop** 75mV

**MECHANICAL/ENVIRONMENTAL**

- **Form Factor** Inline installation
- **Exterior Dimensions** 109.0mm x 23.0mm x 11.0mm
  - 4.30" x 0.91" x 0.43"
- **Case Material** Manganin Alloy
- **Operating Temperature** -40°C to 60°C / -40°F to 140°F
- **Shunt Temperature w/ Load Current** <80% of rated current = 80°C (176°F), >120% = 120°C (248°F)
- **Storage Temperature** -55°C to 80°C / -67°F to 176°F
- **Operating Humidity** Non-condensing, 0 to 95% RH
- **Installation Conditions** Indoor Use

**ELECTRICAL**

- **Frequency Range** DC

**SAFETY/COMPLIANCE**

- **Overload** 120% of nominal current (2 hours)
- **Certifications** RoHS

**Features**

- Accuracy class: 0.5%
- 75mV voltage drop

**Dimensions**

2 - M5

2 - Φ 0.33" (8.5mm)

0.91" (23.0mm)

3.35" (85.0mm) ± 0.02" (0.5mm)

4.30" (109.0mm)

0.43" (11.0mm)

**Ordering Information**

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<tr>
<th>Ordering Number</th>
<th>Shunt</th>
<th>-</th>
<th>100A</th>
<th>/</th>
<th>75mV</th>
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<td>75mV</td>
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<tr>
<td>Voltage Drop</td>
<td>75mV</td>
<td>100A</td>
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Accuenergy DC current shunts are engineered for precision measurement in DC current systems. Designed to connect to a DC power meter to measure electrical currents based on a small voltage drop, DC current shunts provide accurate energy measurements in a variety of applications including renewable energy, mass transit, battery charging, electric vehicles, welding, heavy industrial environments, and OEM applications.