Current Sensor

Description

The EFCT series is a sensitive nickel-core current transformer used with Littelfuse relays to detect low levels of earth-leakage current.

Accessories

EFCT-1FC Flux Conditioner

used with the EFCT-1 to reduce saturation and prevent false operation due to large surge currents.

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turns Ratio</td>
<td>100:1</td>
</tr>
<tr>
<td>Current Rating</td>
<td>5.0.05 A</td>
</tr>
<tr>
<td>Accuracy</td>
<td>3% @ 0.01 VA</td>
</tr>
<tr>
<td>Frequency</td>
<td>50 to 400 Hz</td>
</tr>
<tr>
<td>Frequency</td>
<td>0 to 6 kHz for EL731</td>
</tr>
<tr>
<td>Insulation Level</td>
<td>600 V</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-55 to 60°C (-67 to 140°F)</td>
</tr>
<tr>
<td>Application</td>
<td>EL731, FPU-32, FPS, MPU-32, MPS, SE-330, SE-701, SE-703</td>
</tr>
<tr>
<td>Certification</td>
<td>CSA, UL, CE</td>
</tr>
<tr>
<td>Compliance</td>
<td>RoHS, IEC 60044-1</td>
</tr>
</tbody>
</table>

Note: 1 Frequency response may be extended for specific product families.

Ordering Information

<table>
<thead>
<tr>
<th>ORDERING NUMBER</th>
<th>WINDOW SIZE, ID</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>EFCT-26</td>
<td>26 mm (1.0&quot;)</td>
<td>0.4 kg (1 lb)</td>
</tr>
<tr>
<td>EFCT-1</td>
<td>82 mm (3.2&quot;)</td>
<td>0.9 kg (2 lb)</td>
</tr>
<tr>
<td>EFCT-2</td>
<td>139 mm (5.5&quot;)</td>
<td>2.7 kg (6 lb)</td>
</tr>
</tbody>
</table>

SECONDARY EXCITING VOLTAGE (VOLTS)

SECONDARY EXCITING CURRENT (MILLIAMPERES)

EFCT-1  EFCT-2  EFCT-26
Dimensions and Mounting Diagram

**EFCT-1**

*NOTES:*

1. DIMENSIONS IN MILLIMETRES (INCHES).
2. MOUNTING SCREWS: M4 OR 8-32.
3. PRESS MOUNTING FEET IN PLACE USING INSTALLATION TOOL PROVIDED.
4. RoHS COMPLIANT.
5. EN 60044-1 COMPLIANT.

**TOP**

**MOUNTING DETAIL**

**FRONT**

**SIDE**

**NOTE 2**

MOUNTING DETAIL
Dimensions and Mounting Diagram

EFCT-2

NOTES:
1. DIMENSIONS IN MILLIMETRES (INCHES).
2. MOUNTING SCREWS: M5 OR 10-32.
3. RoHS COMPLIANT.
4. EN 60044-1 COMPLIANT.

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Dimensions and Mounting Diagram

EFCT-26

NOTES:

1. DIMENSIONS IN MILLIMETRES (INCHES).
2. MOUNTING SCREWS: M4 OR 8-32.
3. PRESS MOUNTING FEET IN PLACE USING INSTALLATION TOOL PROVIDED. (DETAIL ‘A’)
4. RoHS COMPLIANT.
5. EN 60044-1 COMPLIANT.
6. NOT ALL CERTIFICATIONS SHOWN.