Compact DIN Rail kWh Meter

Key benefits
- Compact DIN rail mount reduces enclosure costs
- Low power consumption minimises utility energy losses
- Reverse connected meter measures consumption correctly
- Superior sensitivity for low power applications
- Robust performance suitable for rural conditions
- Fully electronic design requires no maintenance or calibration
- Absence of electronic storage eliminates meter data corruption
- Built-in self test, warning and failure indication
- Tamper resistant terminal covers with optional grommets, reduces losses
- Pulse output LED displays status indication

Performance criteria
- Storage temperature: -25°C to 80°C
- Overvoltage category: IEC 664-1, category IV
- Housing: IEC 529, IP51 indoor
- Shock: IEC 68-2-27, 30g
- Vibration: IEC 68-2-6, 10-150Hz
- Humidity: IEC 68-2-30, 6 cycles @ 60°C
- Salt Mist: IEC 68-2-11
- Solar radiation: IEC 68-2-5, procedure A

- AN001: Using the ECOLEC Series 100 dual and three phase meters as uni-phase meters
- AN002: Using the SLMS output of the ECOLEC Series 100 meters
- AN003: Using the ECOLEC Series 100 meters as a CT operated meter
- AN004: Characteristics and usage guidelines for ECOLEC Series 100 meters

Ordering information

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Single phase</th>
<th>Dual phase</th>
<th>Three phase four wire</th>
<th>Shell color</th>
<th>Panel height</th>
</tr>
</thead>
<tbody>
<tr>
<td>Din-rail 120V/240V</td>
<td>EC321CD</td>
<td>EC331CD</td>
<td>Grey</td>
<td>45mm</td>
<td></td>
</tr>
<tr>
<td>Din-rail 277V/480V</td>
<td>EC322CD</td>
<td>EC332CD</td>
<td>Grey</td>
<td>45mm</td>
<td></td>
</tr>
</tbody>
</table>

Shrink wrap carton
- Carton 178mm wide
- Carton 68mm high
- Carton 110mm deep

SPECIFICATIONS

- Operational Voltage Range
  120/240V, 208Y120V, 480Y277V

- Overvoltage Withstand
  600V for 48 hours

- Impulse Voltage Withstand
  10kV, 1.2/50μs waveform

- Maximum Rated Current (I_max)
  60 Amps

- Operational Current Range
  0.1 to 90 Amps

- Internal Power Consumption
  Less than 0.2 Watts

- Fault Current Withstand
  5kA for 10mS

- Overcurrent Withstand
  120 Amps for 48 hours
  180 Amps for 1 minute

- Operational Frequency Range
  60 Hz ±10%

- Test Output Flash Rate
  1000 impulses per kWh

- DC Voltage Withstand
  1000V for 1 minute

- Operating Temperature
  -10°C to 60°C

To locate additional product specifications and technical drawings go to www.asi-ez.com