## Circuit breaker, PowerPacT J, 250A, 3 pole, 480VAC, 100kA, I-Line, Micrologic 5.2E, 80%, ABC, mission critical

JLA34250WU53X

<table>
<thead>
<tr>
<th>Complementary</th>
<th>250 A</th>
<th>3P</th>
<th>Toggle</th>
<th>L</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Line Rated Current</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Number of Poles</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Control type</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Breaking capacity code</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Breaking capacity</strong></td>
<td>125 kA 240 V AC 50/60 Hz UL 489</td>
<td>100 kA 480 V AC 50/60 Hz UL 489</td>
<td>50 kA 800 V AC 50/60 Hz UL 489</td>
<td>20 kA 250 V DC UL 489</td>
</tr>
<tr>
<td><strong>[Ue] rated operational voltage</strong></td>
<td>480/277 V AC 50/60 Hz</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Network Frequency</strong></td>
<td>50/60 Hz</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>[Ics] rated service breaking capacity</strong></td>
<td>125 kA 220/240 V AC 50/60 Hz IEC 60947-2</td>
<td>100 kA 380/440/415 V AC 50/60 Hz IEC 60947-2</td>
<td>50 kA 500/525 V AC 50/60 Hz IEC 60947-2</td>
<td>20 kA 250 V DC IEC 60947-2</td>
</tr>
<tr>
<td><strong>[Uimp] rated impulse withstand voltage</strong></td>
<td>8 kV IEC 60947-2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Trip unit technology</strong></td>
<td>Electronic, energy, MicroLogic 5.2 E, LSI</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Continuous current rating</strong></td>
<td>80 %</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>[Ui] rated insulation voltage</strong></td>
<td>750 V IEC 60947-2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Trip unit name</strong></td>
<td>MicroLogic 5.2 E</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Protection Type</strong></td>
<td>Overload protection, Short-circuit protection</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Suitability for isolation</strong></td>
<td>Yes IEC 60947-2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Utilisation category</strong></td>
<td>Category A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>AWG gauge</strong></td>
<td>AWG 3/0...350 kcmil aluminium/copper terminals</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Local signalling</strong></td>
<td>Ready 1 LED green)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Mounting mode</strong></td>
<td>I-Line bracket)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Mounting Support</strong></td>
<td>Bracket</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Electrical connection</strong></td>
<td>I-Line connection, line</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Terminal identifier</strong></td>
<td>AL250JD</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific use applications.
### Long time pick-up adjustment range
0.25...1 x In

### Mounting height
4.5 in (114.30 mm)

### Tightening torque
221.27 lbf.in (25 N.m) 0.15...0.29 in² (95…185 mm²) (AWG 3/0...350 kcmil)

### Number of slots
- 2 auxiliary switch OF plug-in
- 1 alarm switch SD plug-in
- 1 overcurrent trip switch SDE plug-in
- 1 voltage release MN or MX plug-in

### Power wire stripping length
0.98 in (25 mm)

### Height
7.52 in (191 mm)

### Width
4.09 in (104 mm)

### Depth
3.39 in (86 mm)

### Net Weight
5.29 lb(US) (2.4 kg)

### Phase connection
ABC

### Communication interface
Modbus

## Environment
### Quality labels
CE

### Standards
- UL
- CSA
- NEMA
- NOM-003-SCFI-2000
- IEC 60947-2

### Product certifications
- UL
- CSA
- NOM

### IP degree of protection
Front cover IP40

### Pollution degree
3

### Ambient air temperature for operation
28...158 °F (-2...70 °C)

### Ambient Air Temperature for Storage
-58...185 °F (-50...85 °C)

### Operating altitude
< 6561.68 ft (2000 m) without derating
5000 m with derating

## Ordering and shipping details
### Category
01104-H/J ELEC TRIP I-LINE BREAKER / SW

### Discount Schedule
DE2

### Returnability
No

### Country of origin
US

## Packing Units
### Unit Type of Package 1
PCE

### Number of Units in Package 1
1

### Package 1 Height
11.50 in (29.2 cm)

### Package 1 Width
4.49 in (11.4 cm)

### Package 1 Length
5.87 in (14.9 cm)

### Package 1 Weight
5.00 lb(US) (2.268 kg)

## Offer Sustainability
### Sustainable offer status
Green Premium product
<table>
<thead>
<tr>
<th><strong>California proposition 65</strong></th>
<th>WARNING: This product can expose you to chemicals including: DNP, which is known to the State of California to cause cancer, and DIDP, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>REACH Regulation</strong></td>
<td>REACH Declaration</td>
</tr>
<tr>
<td><strong>EU RoHS Directive</strong></td>
<td>Compliant EU RoHS Declaration</td>
</tr>
<tr>
<td><strong>Mercury free</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>China RoHS Regulation</strong></td>
<td>China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.</td>
</tr>
<tr>
<td><strong>RoHS exemption information</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Environmental Disclosure</strong></td>
<td>Product Environmental Profile</td>
</tr>
<tr>
<td><strong>Circularity Profile</strong></td>
<td>End of Life Information</td>
</tr>
<tr>
<td><strong>PVC free</strong></td>
<td>Yes</td>
</tr>
</tbody>
</table>
Dimensions

ALL DIMENSIONS ARE APPROXIMATE.
ALSO REFER TO CAD, TECHNICAL DRAWINGS, AND DOCUMENTATION.

Recommended replacement(s)