

# Product data sheet

Specifications

SQUARE D

Green Premium™



Circuit breaker, PowerPacT J, 250A, 3 pole, 600VAC, 14kA, I-Line, thermal magnetic, 80%, ABC

JDA36250

## Main

|                           |                 |
|---------------------------|-----------------|
| Range                     | PowerPact       |
| Product name              | PowerPact J     |
| Product or component type | Circuit breaker |
| Device application        | Distribution    |

## Complementary

|  |   |
|--|---|
| [In] rated current                     | 250 A   |
| Number of Poles                        | 3P  |
| Control type                           | Toggle  |
| Breaking capacity code                 | D   |
| Breaking capacity                      | 25 kA 240 V AC 50/60 Hz UL 489<br>18 kA 480 V AC 50/60 Hz<br>14 kA 600 V AC 50/60 Hz<br>20 kA 250 V DC  |
| [Ue] rated operational voltage         | 600 V AC 50/60 Hz IEC 60947-3   |
| Network frequency                      | 50/60 Hz  |
| [Ics] rated service breaking capacity  | 25 kA 220/240 V AC 50/60 Hz IEC 60947-2<br>18 kA 380/440/415 V AC 50/60 Hz IEC 60947-2<br>14 kA 500/525 V AC 50/60 Hz IEC 60947-2<br>20 kA 250 V DC IEC 60947-2<br>20 kA 500 V DC IEC 60947-2 |
| [Uimp] rated impulse withstand voltage | 8 kV IEC 60947-2  |
| Trip unit technology                   | Thermal-magnetic  |
| Magnetic tripping current              | 2500 A  |
| Magnetic hold current                  | 1250 A  |
| Continuous current rating              | 80 %  |
| [Ui] rated insulation voltage          | 750 V IEC 60947-2   |
| Protection type                        | Overload protection<br>Short-circuit protection   |
| Suitability for isolation              | Yes IEC 60947-2   |
| Utilisation category                   | Category A  |
| AWG gauge                              | AWG 3/0...350 kcmil aluminum/copper terminals   |
| Local signalling                       | Switched off (OFF) 1 trip indicator green)  |

|   |   |
|---|---|
| <b>Mounting mode</b>                      | I-Line bracket)   |
| <b>Mounting support</b>                   | Bracket   |
| <b>Electrical connection</b>              | I-Line connection line<br>Lugs load   |
| <b>Terminal identifier</b>                | AL250JD   |
| <b>Long time pick-up adjustment range</b> | 0.25...1 x In   |
| <b>Mounting height</b>                    | 4.5 in (114.30 mm)  |
| <b>Tightening torque</b>                  | 221.27 lbf.in (25 N.m) 0.15...0.29 in <sup>2</sup> (95...185 mm <sup>2</sup> ) AWG 3/0...350 kcmil)   |
| <b>Number of slots</b>                    | 2 auxiliary switch OF plug-in)<br>1 alarm switch SD plug-in)<br>1 overcurrent trip switch SDE plug-in)<br>1 voltage release MN or MX plug-in) |
| <b>Power wire stripping length</b>        | 0.98 in (25 mm)   |
| <b>Height</b>                             | 7.52 in (191 mm)  |
| <b>Width</b>                              | 4.09 in (104 mm)  |
| <b>Depth</b>                              | 3.39 in (86 mm)   |
| <b>Net weight</b>                         | 5.29 lb(US) (2.4 kg)  |
| <b>Phase connection</b>                   | ABC   |
| <b>Communication interface</b>            | Modbus<br>Ethernet  |
| <b>Circuit breaker application</b>        | HACR rated  |

## Environment

|  |   |
|--|---|
| <b>Quality labels</b>                        | CE  |
| <b>Standards</b>                             | UL<br>CSA<br>NEMA<br>NOM-003-SCFI-2000<br>IEC 60947-2 |
| <b>Product certifications</b>                | UL<br>CSA<br>NOM                                      |
| <b>IP degree of protection</b>               | Front cover IP40                                      |
| <b>Pollution degree</b>                      | 3 IEC 60947-1   |
| <b>Ambient air temperature for operation</b> | 28...158 °F (-2...70 °C)                              |
| <b>Ambient air temperature for storage</b>   | -58...185 °F (-50...85 °C)                            |
| <b>Operating altitude</b>                    | < 2000 m without derating<br>5000 m with derating     |

## Packing Units

|                                     |                       |
|-------------------------------------|-----------------------|
| <b>Unit Type of Package 1</b>       | PCE                   |
| <b>Number of Units in Package 1</b> | 1                     |
| <b>Package 1 Height</b>             | 6.10 in (15.494 cm)   |
| <b>Package 1 Width</b>              | 8.50 in (21.59 cm)    |
| <b>Package 1 Length</b>             | 15.00 in (38.1 cm)    |
| <b>Package 1 Weight</b>             | 6.81 lb(US) (3.09 kg) |

## Offer Sustainability

|                                 |                       |
|---------------------------------|-----------------------|
| <b>Sustainable offer status</b> | Green Premium product |
|---------------------------------|-----------------------|

|                                   |   |
|-----------------------------------|---|
| <b>REACH Regulation</b>           | <a href="#">REACH Declaration</a>   |
| <b>EU RoHS Directive</b>          | Compliant<br><a href="#">EU RoHS Declaration</a>  |
| <b>Mercury free</b>               | Yes   |
| <b>China RoHS Regulation</b>      | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information |
| <b>RoHS exemption information</b> | Yes   |
| <b>Environmental Disclosure</b>   | <a href="#">Product Environmental Profile</a>   |
| <b>Circularity Profile</b>        | <a href="#">End of Life Information</a>   |
| <b>PVC free</b>                   | Yes   |
| <b>Contractual warranty</b>       |   |
| <b>Warranty</b>                   | 18 months   |

