# Product data sheet

Specifications



## Circuit breaker, PowerPacT J, 250A, 3 pole, 600VAC, 100kA, lugs, thermal magnetic, 80%

JRL36250

**Product availability: Stock - Normally stocked in distribution facility**

## Main

| | |
|---|---|
| **Product or Component Type** | Circuit breaker |

## Complementary

| | |
|---|---|
| **Line Rated Current** | 250 A |
| **Number of Poles** | 3P |
| **Control Type** | Toggle |
| **Breaking capacity code** | R |
| **Breaking capacity** | 200 kA 240 V AC 50/60 Hz UL 489<br>200 kA 480 V AC 50/60 Hz UL 489<br>100 kA 600 V AC 50/60 Hz UL 489 |
| **[Ue] rated operational voltage** | 600 V AC 50/60 Hz IEC 60947-3 |
| **Network Frequency** | 50/60 Hz |
| **[Ics] rated service breaking capacity** | 150 kA 220/240 V AC 50/60 Hz IEC 60947-2<br>125 kA 380/440/415 V AC 50/60 Hz IEC 60947-2<br>75 kA 500/525 V AC 50/60 Hz IEC 60947-2<br>20 kA 690 V AC 50/60 Hz 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 aluminium/copper terminals |
| **Local signalling** | Switched off (OFF) 1 trip indicator green) |
| **Mounting mode** | Unit mount lug) |
| **Mounting Support** | Lug |
| **Electrical connection** | Lugs, line<br>Lugs, load |
| **Terminal identifier** | AL250JD |
| **Long time pick-up adjustment range** | 0.25...1 x In |

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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 user applications

| | |
|---|---|
| **Tightening torque** | 221.3 lbf.in (25 N.m) 0.1…0.3 in² (95…185 mm²) (AWG 3/0...350 kcmil) |
| **Number of slots** | 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) |
| **Power wire stripping length** | 1.0 in (25 mm) |
| **Height** | 7.5 in (191 mm) |
| **Width** | 4.09 in (104 mm) |
| **Depth** | 3.4 in (86 mm) |
| **Net Weight** | 5.3 lb(US) (2.4 kg) |
| **Communication interface** | Modbus |
| **Circuit breaker application** | HACR rated |

## Environment

| | |
|---|---|
| **Quality labels** | CE |
| **Standards** | UL<br>CSA<br>NEMA<br>NOM-003-SCFI-2000<br>IEC 60947-2 |
| **Product certifications** | UL<br>CSA<br>NOM |
| **IP degree of protection** | Front cover IP40 |
| **Pollution degree** | 3 |
| **Ambient Air Temperature for Operation** | -13…158 °F (-25…70 °C) |
| **Ambient Air Temperature for Storage** | -58…185 °F (-50…85 °C) |
| **Operating altitude** | < 6561.68 ft (2000 m) without derating<br>5000 m with derating |

## Ordering and shipping details

| | |
|---|---|
| **Category** | US10DE201108 |
| **Discount Schedule** | 0DE2 |
| **GTIN** | 785901556725 |
| **Returnability** | Yes |
| **Country of origin** | US |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Nbr. of units in pkg.** | 1 |
| **Package 1 Height** | 5.125 in (13.018 cm) |
| **Package 1 Width** | 7.250 in (18.415 cm) |
| **Package 1 Length** | 8.438 in (21.433 cm) |
| **Package weight(Lbs)** | 5.00009 lb(US) (2.268 kg) |

## Contractual warranty

| | |
|---|---|
| **Warranty** | 18 months |

## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

### Environmental footprint

| | |
|---|---|
| Carbon footprint (kg CO2 eq, Total Life cycle) | 551 |
| Environmental Disclosure | Product Environmental Profile |

## Use Better

### Materials and Substances

| | |
|---|---|
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | No |
| EU RoHS Directive | Compliant with Exemptions |
| REACh Regulation | REACh Declaration |
| California proposition 65 | WARNING: This product can expose you to chemicals including: DINP, 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 www.P65Warnings.ca.gov |
| PVC free | Yes |

## Use Again

### Repack and remanufacture

| | |
|---|---|
| Circularity Profile | End of Life Information |
| Take-back | No |

Technical Illustration

## Dimensions

