

# Product data sheet

Specifications



Circuit breaker, PowerPacT J, 250A,  
3 pole, 480VAC, 18kA, I-Line,  
Micrologic 3.2, 80%, ABC, mission  
critical

JDA34250WU31X

**Product availability: Non-Stock - Not 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** D

**Breaking capacity**  
25 kA 240 V AC 50/60 Hz UL 489  
18 kA 480 V AC 50/60 Hz  
14 kA 600 V AC 50/60 Hz  
20 kA 250 V DC

**[Ue] rated operational voltage** 480/277 V AC 50/60 Hz

**Network Frequency** 50/60 Hz

**[Ics] rated service breaking capacity**  
25 kA 220/240 V AC 50/60 Hz IEC 60947-2  
18 kA 380/440/415 V AC 50/60 Hz IEC 60947-2  
14 kA 500/525 V AC 50/60 Hz IEC 60947-2  
20 kA 250 V DC IEC 60947-2  
20 kA 500 V DC IEC 60947-2

**[Uimp] rated impulse withstand voltage** 8 kV IEC 60947-2

**Trip unit technology** Electronic, standard, MicroLogic 3.2, LI

**Continuous current rating** 80 %

**[Ui] rated insulation voltage** 750 V IEC 60947-2

**Trip unit name** MicroLogic 3.2

**Protection Type**  
Overload protection  
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**  
Ready 1 LED green)  
Alarm 1 LED 90 % I<sub>r</sub> orange)  
Alarm 1 LED 105 % I<sub>r</sub> red)  
Switched off (OFF) 1 trip indicator green)

**Mounting mode** I-Line bracket)

**Mounting Support** Bracket

**Electrical connection**  
I-Line connection, line  
Lugs, load

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

Terminal identifier	AL250JD
Long time pick-up adjustment range	0.25...1 x In
Mounting Height	4.5 in (114.3 mm)
Tightening torque	221.3 lbf.in (25 N.m) 0.1...0.3 in <sup>2</sup> (95...185 mm <sup>2</sup> ) (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	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)
Phase connection	ABC
Communication interface	Modbus
Circuit breaker application	HACR rated

## 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	-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 5000 m with derating

## Ordering and shipping details

Category	US10DE201104
Discount Schedule	0DE2
GTIN	3606486283585
Returnability	Yes
Country of origin	US

## Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	5.38 in (13.653 cm)
Package 1 Width	8.13 in (20.638 cm)

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<b>Package 1 Length</b>	14.63 in (37.148 cm)
<b>Package weight(Lbs)</b>	5.00009 lb(US) (2.268 kg)

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## **Contractual warranty**

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<b>Warranty</b>	18 months
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## 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) 554

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

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](http://www.P65Warnings.ca.gov)**

PVC free Yes

## Use Again

### Repack and remanufacture

Circularity Profile [End of Life Information](#)

Removable battery No

Take-back No

Technical Illustration

Dimensions

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