

# Product data sheet

Specifications



Circuit breaker, PowerPact J, 250A, 3 pole, 600VAC, 14kA, busbar, thermal magnetic, 80%

JDF36250

## 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 at 240 V AC 50/60 Hz conforming to UL 489 18 kA at 480 V AC 50/60 Hz 14 kA at 600 V AC 50/60 Hz 20 kA at 250 V DC
[Ue] rated operational voltage	600 V AC 50/60 Hz conforming to IEC 60947-3
Network frequency	50/60 Hz
[Ics] rated service breaking capacity	25 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 18 kA at 380/440/415 V AC 50/60 Hz conforming to IEC 60947-2 14 kA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 20 kA at 250 V DC conforming to IEC 60947-2 20 kA at 500 V DC conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV conforming to 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 conforming to IEC 60947-2
Protection type	Overload protection Short-circuit protection
Suitability for isolation	Yes conforming to 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 (busbar)
Mounting support	Busbar

<b>Electrical connection</b>	Busbar connection, line Busbar connection, load
<b>Terminal identifier</b>	AL250JD
<b>Long time pick-up adjustment range</b>	0.25...1 x In
<b>Mounting height</b>	114.3 mm
<b>Tightening torque</b>	25 N.m for 95...185 mm <sup>2</sup> (AWG 3/0...350 kcmil)
<b>Number of slots</b>	2 slot(s) for auxiliary switch OF (plug-in) 1 slot(s) for alarm switch SD (plug-in) 1 slot(s) for overcurrent trip switch SDE (plug-in) 1 slot(s) for voltage release MN or MX (plug-in)
<b>Power wire stripping length</b>	25 mm
<b>Height</b>	191 mm
<b>Width</b>	104 mm
<b>Depth</b>	86 mm
<b>Product weight</b>	2.4 kg
<b>Phase connection</b>	AB
<b>Communication interface</b>	Modbus Ethernet
<b>Circuit breaker application</b>	HACR rated

## Environment

<b>Quality labels</b>	CE
<b>Standards</b>	UL CSA NEMA NOM-003-SCFI-2000 IEC 60947-2
<b>Product certifications</b>	UL CSA NOM
<b>IP degree of protection</b>	Front cover: IP40
<b>Pollution degree</b>	3 conforming to IEC 60947-1
<b>Ambient air temperature for operation</b>	-25...70 °C
<b>Ambient air temperature for storage</b>	-50...85 °C
<b>Operating altitude</b>	< 2000 m without derating 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>	13.018 cm
<b>Package 1 Width</b>	18.415 cm
<b>Package 1 Length</b>	21.433 cm
<b>Package 1 Weight</b>	1.98 kg



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

Total lifecycle Carbon footprint **548**

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

End of life manual availability [End of Life Information](#)

Take-back **No**

WEEE Label **The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**