

# Product data sheet

Specifications

SQUARE D



Circuit breaker, PowerPacT J, 175A, 3 pole, 600VAC, 50kA, I-Line, thermal magnetic, 80%, ABC

JLA36175

Product availability: Stock - Normally stocked in distribution facility

Price\*: 7,299.00 USD

## Main

Product or Component Type      Circuit breaker

## Complementary

Line Rated Current	175 A
Number of Poles	3P
Control Type	Toggle
Breaking capacity code	L
Breaking capacity	125 kA 240 V AC 50/60 Hz UL 489 100 kA 480 V AC 50/60 Hz UL 489 50 kA 600 V AC 50/60 Hz UL 489 20 kA 250 V DC UL 489 50 kA 500 V DC 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	125 kA 220/240 V AC 50/60 Hz IEC 60947-2 100 kA 380/440/415 V AC 50/60 Hz IEC 60947-2 50 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	Thermal-magnetic
Magnetic tripping current	1750 A
Magnetic hold current	875 A
Continuous current rating	80 %
[Ui] rated insulation voltage	750 V IEC 60947-2
Protection Type	Overload protection Short-circuit protection
Suitability for isolation	Yes IEC 60947-2
Utilisation category	Category A
AWG gauge	AWG 4...AWG 4/0 aluminium/copper terminal
Local signalling	Switched off (OFF) 1 trip indicator green)
Mounting mode	I-Line bracket)
Mounting Support	Bracket

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

<b>Electrical connection</b>	I-Line connection, line Lugs, load
<b>Terminal identifier</b>	AL175JD
<b>Long time pick-up adjustment range</b>	0.25...1 x In
<b>Mounting Height</b>	4.5 in (114.3 mm)
<b>Tightening torque</b>	221.3 lbf.in (25 N.m) 0.04...0.1 in <sup>2</sup> (25...95 mm <sup>2</sup> ) (AWG 4...AWG 4/0)
<b>Number of slots</b>	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)
<b>Power wire stripping length</b>	1.0 in (25 mm)
<b>Height</b>	7.5 in (191 mm)
<b>Width</b>	4.09 in (104 mm)
<b>Depth</b>	3.4 in (86 mm)
<b>Product Weight</b>	5.3 lb(US) (2.4 kg)
<b>Phase connection</b>	ABC
<b>Communication interface</b>	Modbus
<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
<b>Ambient air temperature for operation</b>	-13...158 °F (-25...70 °C)
<b>Ambient Air Temperature for Storage</b>	-58...185 °F (-50...85 °C)
<b>Operating altitude</b>	< 6561.68 ft (2000 m) without derating 5000 m with derating

## Ordering and shipping details

<b>Category</b>	US10DE201122
<b>Discount Schedule</b>	0DE2
<b>GTIN</b>	785901673088
<b>Returnability</b>	No
<b>Country of origin</b>	US

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1

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<b>Package 1 Height</b>	5.38 in (13.653 cm)
<b>Package 1 Width</b>	8.13 in (20.638 cm)
<b>Package 1 Length</b>	14.63 in (37.148 cm)
<b>Package 1 Weight</b>	6.074 lb(US) (2.755 kg)

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## **Contractual warranty**

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**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) **867**

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](#)

China RoHS Regulation [China RoHS 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](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**