

# Product data sheet

Specifications

SQUARE D



Circuit breaker, PowerPact L, 600A, 3 pole, 480VAC, 65kA, I-Line, MicroLogic 3.3S, 80%, ABC, mission critical

LJA34600WU33X

**Product availability:** Non-Stock - Not normally stocked in distribution facility

## Main

Range	PowerPact
Product name	PowerPact L
Device short name	L-Frame
Product or Component Type	Circuit breaker
Device Application	Distribution

## Complementary

Line Rated Current	600 A
Number of Poles	3P
Control Type	Toggle
Breaking capacity code	J
Breaking capacity	100 kA 240 V AC 50/60 Hz UL 489 65 kA 480 V AC 50/60 Hz UL 489 25 kA 600 V AC 50/60 Hz UL 489 20 kA 250 V DC UL 489
[Ue] rated operational voltage	480/277 V AC 50/60 Hz IEC 60947-3
Network Frequency	50/60 Hz
[Ics] rated service breaking capacity	65 kA 220/240 V AC 50/60 Hz IEC 60947-2 35 kA 380/440/415 V AC 50/60 Hz IEC 60947-2 18 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 3.3 S, LSI
Continuous current rating	80 %
[Ui] rated insulation voltage	750 V IEC 60947-2
Trip unit name	MicroLogic 3.3 S
Protection technology	Current limiter
Suitability for isolation	Yes IEC 60947-2
Utilisation category	Category A
AWG gauge	2 x AWG 2/0...500 kcmil aluminium/copper
Local signalling	Ready 1 LED green) Alarm 1 LED 90 % Ir orange) Alarm LED 105 % Ir red) Switched off (OFF) 1 trip indicator green)

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

<b>Mounting mode</b>	I-Line bracket)
<b>Mounting Support</b>	Bracket
<b>Electrical connection</b>	I-Line connection, line Lugs, load
<b>Terminal identifier</b>	AL600LS52K3
<b>Long time pick-up adjustment range</b>	0.25...1 x In
<b>Mounting Height</b>	6 in (152.4 mm)
<b>Tightening torque</b>	442.5 lbf.in (50 N.m) 0.1...0.4 in <sup>2</sup> (70...240 mm <sup>2</sup> ) (AWG 2/0...500 kcmil) 442.5 lbf.in (50 N.m) 0.05...0.5 in <sup>2</sup> (35...300 mm <sup>2</sup> ) (AWG 2...600 kcmil)
<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>	1.2 in (31 mm) 2.4 in (61 mm)
<b>Color</b>	Black
<b>Height</b>	13.4 in (340 mm)
<b>Width</b>	5.5 in (140 mm)
<b>Depth</b>	4.3 in (110 mm)
<b>Net Weight</b>	13.7 lb(US) (6.2 kg)
<b>Phase connection</b>	ABC
<b>Communication interface</b>	Modbus Ethernet
<b>Circuit breaker application</b>	HACR rated

## Environment

<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 IEC 60947-1
<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>	US10DE201118
<b>Discount Schedule</b>	ODE2
<b>GTIN</b>	3606486284360
<b>Returnability</b>	Yes
<b>Country of origin</b>	US

## Packing Units

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Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	8.75 in (22.225 cm)
Package 1 Width	10.75 in (27.305 cm)
Package 1 Length	19.50 in (49.53 cm)
Package weight(Lbs)	15.0003 lb(US) (6.804 kg)

## Contractual warranty

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Warranty	18 months
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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)	1160
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

## Use Better

### Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
<a href="#">EU RoHS Directive</a>	Compliant
California proposition 65	<b>WARNING:</b> 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
PVC free	Yes

## Use Again

### Repack and remanufacture

Circularity Profile	<a href="#">End of Life Information</a>
Take-back	No

Technical Illustration

**Dimensions**

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