

# Product data sheet

Specifications

SQUARE D



Circuit breaker, PowerPact L,  
400A, 3 pole, 600VAC, 25kA, lugs,  
MicroLogic 6.3A, 80%

LJL36400U44X

## Main

Range	PowerPact
product name	PowerPact L
Device short name	L-Frame
Product or component type	Circuit breaker
Device application	Distribution

## Complementary

[In] rated current	400 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	600 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, ammeter, MicroLogic 6.3 A, LSIG
Continuous current rating	80 %
[Ui] rated insulation voltage	750 V IEC 60947-2
Trip unit name	MicroLogic 6.3 A
Protection technology	Current limiter
Suitability for isolation	Yes IEC 60947-2
Utilisation category	Category A
AWG gauge	2 x AWG 2/0...500 kcmil aluminum/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)
Mounting mode	Unit mount lug)

<b>Mounting support</b>	Lug
<b>Electrical connection</b>	Lugs, line Lugs, load
<b>Terminal identifier</b>	AL600LS52K3
<b>Long time pick-up adjustment range</b>	0.25...1 x In
<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)
<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>Product weight</b>	13.7 lb(US) (6.2 kg)
<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>	< 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>	8.75 in (22.225 cm)
<b>Package 1 Width</b>	10.75 in (27.305 cm)
<b>Package 1 Length</b>	19.50 in (49.53 cm)
<b>Package 1 Weight</b>	15.0003 lb(US) (6.804 kg)

## Contractual warranty

<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)	2418
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## Use Better

### Materials and Substances

Packaging made with recycled cardboard	Yes
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Packaging without single use plastic	No
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<a href="#">EU RoHS Directive</a>	Compliant with Exemptions
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REACH Regulation	<a href="#">REACH Declaration</a>
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PVC free	Yes
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## Use Again

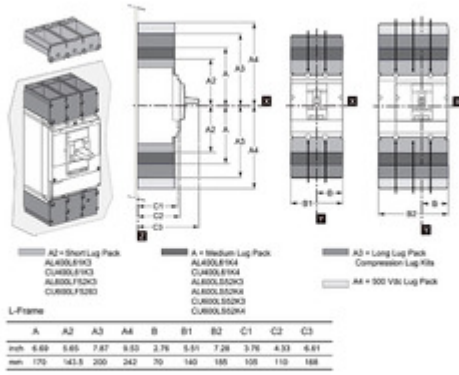
### Repack and remanufacture

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

Dimensions



All dimensions are approximate.  
 Also see CAD, technical drawings, and technical documentation.

Offer Marketing Illustration

Product benefits / Features

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## PowerPacT L-Frame Molded Case Circuit Breakers



### Scalable and sustainable

New breaker features enable scalable upgrades and are future-proof to meet environmental standards.



### Reliable quality

New, intelligent guided design to increase confidence and ensure power reliability.



### Innovative design

Designed for the future and for enhanced safety.

Offer Marketing Illustration

Product benefits / Features

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## PowerPacT L-Frame Technical Features



Offer Marketing Illustration

Product benefits / Features

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## PowerPacT L-Frame Range Accessories



Visi-Trip toggle



Disconnect mechanism



Current transformer



Interlock



Rotary handle



Shunt trip release



Power distribution connector

Offer Marketing Illustration

Product benefits / Features

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## PowerPacT L-Frame

### Technical Benefits



- Available in 3 or 4-pole design
- Available from 250 to 600A, up to 600VAC and 250VDC
- 3 and 4-pole automatic molded case switches available at 400A and 600A.
- Interrupting ratings (AIC) include:
  - D-18kA, G-35kA, J-65kA and L-100kA at 480VAC.
  - 20kA at 250VDC.
- A wide range of field-installable accessories allows customers to reduce inventory without sacrificing flexibility.
- Easy to install, extremely versatile, a wide variety of terminal options include mechanical lugs, crimp lugs, power distribution lugs, and lug shields.
- UL 489 Listed, CSA, NEMA, NMX, VDE, BS, CCC, IEC certified and CE marked for global acceptance.