

# Product data sheet

## Characteristics

# LJL36600U31X

Circuit breaker, PowerPacT L, 600A, 3 pole,  
600VAC, 25kA, lugs, MicroLogic 3.3, 80%



## 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	600 A
Number of Poles	3P
Control type	Toggle
Breaking capacity code	J
Breaking capacity	100 kA at 240 V AC 50/60 Hz conforming to UL 489 65 kA at 480 V AC 50/60 Hz conforming to UL 489 25 kA at 600 V AC 50/60 Hz conforming to UL 489 20 kA at 250 V DC conforming to UL 489
[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	65 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 35 kA at 380/440/415 V AC 50/60 Hz conforming to IEC 60947-2 18 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	Electronic, standard, MicroLogic 3.3, LI
Continuous current rating	80 %
[Ui] rated insulation voltage	750 V conforming to IEC 60947-2
Trip unit name	MicroLogic 3.3
Suitability for isolation	Yes conforming to 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)
Mounting mode	Unit mount (lug)
Mounting support	Lug
Electrical connection	Lugs, line Lugs, load
Terminal identifier	AL600LS52K3
Long time pick-up adjustment range	0.25...1 x In
Tightening torque	50 N.m for 70...240 mm <sup>2</sup> (AWG 2/0...500 kcmil)

Number of slots	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)
Power wire stripping length	31 Mm 61 mm
Color	Black
Height	340 mm
Width	140 mm
Depth	110 mm
Net weight	6.2 kg
Communication interface	Modbus Ethernet
Circuit breaker application	HACR rated

## Environment

Standards	UL CSA NEMA NOM-003-SCFI-2000 IEC 60947-2
Product certifications	UL[RETURN]CSA[RETURN]NOM
IP degree of protection	Front cover: IP40
Pollution degree	3 conforming to IEC 60947-1
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-50...85 °C
Operating altitude	< 2000 m without derating 5000 m with derating

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	22.352 cm
Package 1 Width	35.56 cm
Package 1 Length	80.518 cm
Package 1 Weight	7.725 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
RoHS exemption information	 <a href="#">Yes</a>
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>
Circularity Profile	 <a href="#">End Of Life Information</a>
PVC free	Yes

## Contractual warranty

Warranty	18 months
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