Product data sheet

Specifications

Circuit breaker, PowerPacT L, 600A, 4 pole, 600VAC, 25kA, lugs, MicroLogic 6.3E, 80%

LJL46600U54X

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	4P
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, energy, MicroLogic 6.3 E, LSIG
Continuous Current Rating	80 %
[Ui] Rated Insulation Voltage	750 V IEC 60947-2
Trip Unit Name	MicroLogic 6.3 E
Protection Technology	Current limiter
Suitability For Isolation	Yes IEC 60947-2
Utilisation Category	Category A
Awg Gauge	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)

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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Mounting Support	Lug
Electrical Connection	Lugs, line Lugs, load
Terminal Identifier	AL600LS52K4
Long Time Pick-Up Adjustment Range	0.25...1 x In
Tightening Torque	442.54 lbf.in (50 N.m) 0.11…0.37 in² (70…240 mm²) (AWG 2/0...500 kcmil)
Number Of Slots	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)
Power Wire Stripping Length	1.22 in (31 mm)
Color	Black
Height	13.39 in (340 mm)
Width	5.51 in (140 mm)
Depth	4.33 in (110 mm)
Net Weight	13.67 lb(US) (6.2 kg)
Communication Interface	Modbus Ethernet

Environment

Standards	UL CSA NEMA NOM-003-SCFI-2000 IEC 60947-2
Product Certifications	UL CSA NOM
Ip Degree Of Protection	Front cover IP40
Pollution Degree	3 IEC 60947-1
Ambient Air Temperature For Operation	28…158 °F (-2…70 °C)
Ambient Air Temperature For Storage	-58…185 °F (-50…85 °C)
Operating Altitude	< 6561.68 ft (2000 m) without derating 5000 m with derating

Ordering and shipping details

Category	01116-L ELEC TRIP UNIT MOUNT BREAKER/SW
Discount Schedule	DE2
Returnability	No
Country Of Origin	US

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	11.30 in (28.7 cm)
Package 1 Width	5.51 in (14.0 cm)
Package 1 Length	6.61 in (16.8 cm)

Package 1 Weight	17.00 lb(US) (7.711 kg)

Contractual warranty

Warranty	18 months

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

Well-being performance

Mercury Free	
Rohs Exemption Information	Yes
Pvc Free	

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
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