# Product data sheet

Specifications



## Circuit breaker, PowerPacT L, 400A, 4 pole, 600VAC, 50kA, lugs, MicroLogic 6.3E, 100%

LLL46400CU54X

## 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** | 400 A |
| **Number Of Poles** | 4P |
| **Control Type** | Toggle |
| **Breaking Capacity Code** | L |
| **Breaking Capacity** | 125 kA 240 V AC 50/60 Hz UL 489<br>100 kA 480 V AC 50/60 Hz UL 489<br>50 kA 600 V AC 50/60 Hz UL 489<br>20 kA 250 V DC UL 489<br>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<br>100 kA 380/440/415 V AC 50/60 Hz IEC 60947-2<br>50 kA 500/525 V AC 50/60 Hz IEC 60947-2<br>20 kA 250 V DC IEC 60947-2<br>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** | 100 % |
| **[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)<br>Alarm 1 LED 90 % Ir orange)<br>Alarm LED 105 % Ir red)<br>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.

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 Mode** | Unit mount lug) |
| **Mounting Support** | Lug |
| **Electrical Connection** | Lugs, line<br>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)<br>1 alarm switch SD plug-in)<br>1 overcurrent trip switch SDE plug-in)<br>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<br>Ethernet |

## Environment

| | |
|---|---|
| **Standards** | UL<br>CSA<br>NEMA<br>NOM-003-SCFI-2000<br>IEC 60947-2 |
| **Product Certifications** | UL<br>CSA<br>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<br>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** | 13.94 in (35.4 cm) |
| **Package 1 Width** | 7.28 in (18.5 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<br>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 |