

# Product data sheet

Specifications



Circuit breaker, PowerPacT L, 600A, 3 pole, 500VDC, 50kA, lugs, thermal magnetic, 80%

LLL37060D33

Product availability: Stock - 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

|                                        |                                                                                                                                                                                                           |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of Poles                        | 3P                                                                                                                                                                                                        |
| 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>18 kA 250 V DC UL 489<br>50 kA 500 V DC UL 489                                                    |
| [Ue] rated operational voltage         | 500 V DC                                                                                                                                                                                                  |
| [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                   | Thermal-magnetic                                                                                                                                                                                          |
| Magnetic tripping current              | 1500...3000 A                                                                                                                                                                                             |
| [Ui] rated insulation voltage          | 750 V IEC 60947-2                                                                                                                                                                                         |
| Suitability for isolation              | Yes IEC 60947-2                                                                                                                                                                                           |
| Utilisation category                   | Category A                                                                                                                                                                                                |
| AWG gauge                              | 2 x AWG 2/0...500 kcmil aluminium/copper                                                                                                                                                                  |
| Local signalling                       | Switched off (OFF) 1 trip indicator green)                                                                                                                                                                |
| Mounting mode                          | Unit mount lug)                                                                                                                                                                                           |
| Mounting Support                       | Lug                                                                                                                                                                                                       |
| Electrical connection                  | Lugs, line<br>Lugs, load                                                                                                                                                                                  |
| Terminal identifier                    | AL600LS52K3                                                                                                                                                                                               |
| Tightening torque                      | 442.5 lbf.in (50 N.m) 0.1...0.4 in <sup>2</sup> (70...240 mm <sup>2</sup> ) (2 x AWG 2/0...500 kcmil)<br>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) |

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

|                             |                                  |
|-----------------------------|----------------------------------|
| Power wire stripping length | 1.2 in (31 mm)<br>2.4 in (61 mm) |
| Color                       | Black                            |
| Height                      | 13.4 in (340 mm)                 |
| Width                       | 5.5 in (140 mm)                  |
| Depth                       | 4.3 in (110 mm)                  |
| Product Weight              | 13.7 lb(US) (6.2 kg)             |
| Communication interface     | Modbus<br>Ethernet               |
| Circuit breaker application | HACR rated                       |

## 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 | -13...158 °F (-25...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          | US10DE201116  |
| Discount Schedule | 0DE2          |
| GTIN              | 3606486284124 |
| Returnability     | Yes           |
| Country of origin | US            |

## Packing Units

|                        |                           |
|------------------------|---------------------------|
| Unit Type of Package 1 | PCE                       |
| Nbr. of units in pkg.  | 1                         |
| Package 1 Height       | 13.44 in (34.131 cm)      |
| Package 1 Width        | 7.38 in (18.733 cm)       |
| Package 1 Length       | 31.44 in (79.851 cm)      |
| Package weight(Lbs)    | 15.0003 lb(US) (6.804 kg) |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

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) | 824                                           |
| Environmental Disclosure                       | <a href="#">Product Environmental Profile</a> |

Use Better

| Materials and Substances               |                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard | No                                                                                                                                                                                                                                                                                                                                 |
| Packaging without single use plastic   | No                                                                                                                                                                                                                                                                                                                                 |
| <a href="#">EU RoHS Directive</a>      | Compliant with Exemptions                                                                                                                                                                                                                                                                                                          |
| REACH Regulation                       | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                                                                  |
| 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 <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                                                                                                                                                                                                               |
| WEEE Label               |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |