

# Product data sheet

## Characteristics

# LDA36400CU31X

Circuit breaker, PowerPacT L, 400A, 3 pole, 600VAC, 14kA, I-Line, Micrologic 3.3, 100%, ABC



Product availability: Stock - Normally stocked in distribution facility

Price\*: 5943.00 USD



### 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   |
| Poles description                      | 3P  |
| Control Type                           | Toggle  |
| Breaking capacity code                 | D   |
| Breaking capacity                      | 25 KA 240 V AC 50/60 Hz UL 489<br>18 KA 480 V AC 50/60 Hz UL 489<br>14 KA 600 V AC 50/60 Hz UL 489<br>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  | 25 KA 220/240 V AC 50/60 Hz IEC 60947-2<br>18 KA 380/440/415 V AC 50/60 Hz IEC 60947-2<br>14 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, standard, Micrologic 3.3, LI  |
| Continuous current rating              | 100 %   |
| [Ui] rated insulation voltage          | 750 V IEC 60947-2   |
| Trip unit name                         | Micrologic 3.3  |
| Protection technology                  | Current limiter   |
| Suitability for isolation              | Yes IEC 60947-2   |
| Utilisation category                   | Category A  |

|                                    |   |
|------------------------------------|---|
| AWG gauge                          | 2 x 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)                    |
| Mounting mode                      | I-Line bracket)   |
| Mounting Support                   | Bracket   |
| Electrical connection              | I-Line connection line<br>Lugs load   |
| Terminal identifier                | AL600LS52K3   |
| Long time pick-up adjustment range | 0.25...1 x In   |
| Mounting Height                    | 6 In (152.40 mm)  |
| Tightening torque                  | 442.54 Lbf.In (50 N.m) 0.11...0.37 in <sup>2</sup> (70...240 mm <sup>2</sup> ) (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) |
| Wire stripping length              | 1.22 In (31 mm)<br>2.40 In (61 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)   |
| Phase connection                   | ABC   |
| 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              | 01118-L ELEC TRIP I-LINE BREAKER/SW |
| Discount Schedule     | DE2                                 |
| GTIN                  | 785901101635                        |
| Nbr. of units in pkg. | 1                                   |
| Package weight(Lbs)   | 17.00 Lb(US) (7.711 kg)             |
| Returnability         | Yes                                 |
| Country of origin     | US                                  |

## Packing Units

|                        |                      |
|------------------------|----------------------|
| Unit Type of Package 1 | PCE                  |
| Package 1 Height       | 8.75 In (22.225 cm)  |
| Package 1 width        | 10.75 In (27.305 cm) |
| Package 1 Length       | 19.50 In (49.53 cm)  |

## Offer Sustainability

|                            |  |
|----------------------------|--|
| Sustainable offer status   | Green Premium product  |
| California proposition 65  | WARNING: This product can expose you to chemicals including: DIN-P, which is known to the State of California to cause cancer, and DID-P, 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> |
| REACH Regulation           | <a href="#">REACH Declaration</a>  |
| EU RoHS Directive          | Compliant <a href="#">EU RoHS Declaration</a>  |
| Mercury free               | Yes  |
| RoHS exemption information | <a href="#">Yes</a>  |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</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 |
|----------|-----------|

Product Life Status : **Commercialised**