# Product data sheet
## Characteristics

# LLA36400U43X
## Circuit breaker, PowerPacT L, 400A, 3 pole, 600VAC, 50kA, I-Line, MicroLogic 5.3A, 80%, ABC

## 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 | 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>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, ammeter, MicroLogic 5.3 A, LSI |
| Continuous current rating | 80 % |
| [Ui] rated insulation voltage | 750 V IEC 60947-2 |
| Trip unit name | MicroLogic 5.3 A |
| Protection technology | Current limiter |
| Suitability for isolation | Yes IEC 60947-2 |
| Utilisation category | Category A |
| AWG gauge | AWG 3/0...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 | AL600LF52K3 |
| Long time pick-up adjustment range | 0.25...1 x In |
| Mounting height | 6 in (152.40 mm) |

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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.
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| | |
|---|---|
| Tightening torque | 442.54 lbf.in (50 N.m) 0.15…0.37 in² (95…240 mm²) (AWG 3/0...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) |
| Phase connection | ABC |
| 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[RETURN]CSA[RETURN]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 | 3606486284001 |
| Returnability | Yes |
| Country of origin | US |

## Packing Units

| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| 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) |
| Package 1 Weight | 17.00 lb(US) (7.711 kg) |

## Offer Sustainability

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|---|---|
| Sustainable offer status | Green Premium product |
| 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 |
| REACh Regulation | REACh Declaration |
| EU RoHS Directive | Compliant with Exemptions |
| Mercury free | Yes |
| China RoHS Regulation | China RoHS Declaration |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |

| | |
|---|---|
| Circularity Profile | End Of Life Information |
| PVC free | Yes |

## Contractual warranty

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