# Product data sheet
## Characteristics

# PLA34120U63AE1
## Circuit breaker, PowerPacT P, 1200A, 3 pole, 600VAC, 25kA, I-Line, Micrologic 5.0P, 80%, ABC, modbus



## Main

| | |
|---|---|
| Range | PowerPact |
| Product name | PowerPact P |
| Product or Component Type | Circuit breaker |
| Device Application | Distribution |

## Complementary

| | |
|---|---|
| Line Rated Current | 1200 A |
| Number of Poles | 3P |
| Control Type | Toggle |
| Breaking capacity code | L |
| Breaking capacity | AIR 125 kA 240 V AC 50/60 Hz UL 489<br>AIR 100 kA 480 V AC 50/60 Hz UL 489<br>AIR 25 kA 600 V AC 50/60 Hz UL 489<br>Icu 125 kA 240 V AC 50/60 Hz IEC 60947-2<br>Icu 85 kA 380/415 V AC 50/60 Hz IEC 60947-2 |
| [Ue] rated operational voltage | 480 V AC 50/60 Hz UL 489 |
| Network Frequency | 50/60 Hz |
| [Ics] rated service breaking capacity | 65 KA 240 V AC 50/60 Hz IEC 60947-2<br>45 kA 380/415 V AC 50/60 Hz IEC 60947-2 |
| [Uimp] rated impulse withstand voltage | 8 kV IEC 60947-2 |
| Trip unit technology | Electronic, power, MicroLogic 5.0 P, LSI |
| Continuous current rating | 80 % |
| [Ui] rated insulation voltage | 750 V IEC 60947-2 |
| Trip unit name | MicroLogic 5.0 P |
| Accessory / separate part type | Modbus connecting cable |
| AWG gauge | 4 x AWG 3/0...500 kcmil aluminium/copper |
| Local signalling | Overload 1 1 LED amber)<br>1 flag green)<br>Trip causes 4 trip indicator red) |
| Mounting mode | I-Line bracket) |
| Mounting Support | Bracket |
| Electrical connection | I-Line connection, line<br>Lugs, load |
| Terminal identifier | AL1200P25K |
| Long time pick-up adjustment range | 0.4...1 x Ir |
| Mounting Height | 9 in (228.6 mm) |
| Tightening torque | 442.5 Lbf.In (50 N.m) 0.1…0.4 in² (95…240 mm²) (4 x AWG 3/0...500 kcmil)<br>8.9…11.5 lbf.in (1.0…1.3 N.m) |
| 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) |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

| | |
|---|---|
| Power wire stripping length | 1.2 in (30 mm) |
| Height | 16.16 in (410.46 mm) |
| Width | 8.27 in (210.06 mm) |
| Depth | 8.05 in (204.47 mm) |
| Net Weight | 32 lb(US) (14.5 kg) |
| Quantity per Set | 1 |
| Phase connection | ABC |
| Communication interface | Modbus |
| Circuit breaker application | HACR rated |

## Environment

| | |
|---|---|
| Quality labels | CE |
| 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 | -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>13123.36 ft (4000 m) with derating |

## Ordering and shipping details

| | |
|---|---|
| Category | US10DE201210 |
| Discount Schedule | 0DE2 |
| GTIN | 3606486286173 |
| Returnability | Yes |

## Packing Units

| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 16.1 in (41.0 cm) |
| Package 1 Width | 8.3 in (21.0 cm) |
| Package 1 Length | 8.03 in (20.4 cm) |
| Package 1 Weight | 32.0001 lb(US) (14.515 kg) |

## Offer Sustainability

| | |
|---|---|
| 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

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