

# Product data sheet

Specifications



Circuit breaker, PowerPacT P, 1000A, 3 pole, 480VAC, 100kA, lugs, Micrologic 6.0A, 100%

PLL34100CU44A

Product availability : Stock - Normally stocked in distribution facility

Price\* : 38,270.00 USD

## Main

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

## Complementary

|                                        |                                                                                                                                                                                                             |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Line Rated Current                     | 1000 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, ammeter, Micrologic 6.0 A, LSIG                                                                                                                                                                 |
| Continuous current rating              | 100 %                                                                                                                                                                                                       |
| [Ui] rated insulation voltage          | 750 V IEC 60947-2                                                                                                                                                                                           |
| Trip unit name                         | Micrologic 6.0 A                                                                                                                                                                                            |
| AWG gauge                              | 4 x AWG 3/0...500 kcmil aluminium/copper                                                                                                                                                                    |
| Local signalling                       | Overload 1 trip indicator green)<br>1 trip indicator green)<br>Trip causes 1 trip indicator green)                                                                                                          |
| Mounting mode                          | Unit mount lug)                                                                                                                                                                                             |
| Mounting Support                       | Lug                                                                                                                                                                                                         |
| Electrical connection                  | Lugs line<br>Lugs load                                                                                                                                                                                      |

\* 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

|                                    |                                                                                                                                               |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Terminal identifier                | AL1200P25K                                                                                                                                    |
| Long time pick-up adjustment range | 0.4...1 x Ir                                                                                                                                  |
| Tightening torque                  | 442.54 lbf.in (50 N.m) 0.15...0.37 in² (95...240 mm²) (4 x AWG 3/0...500 kcmil)<br>8.85...11.51 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) |
| Power wire stripping length        | 1.18 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) (14.51 kg)                                                                                                                          |
| Quantity per Set                   | 1                                                                                                                                             |
| 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<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>13123.36 ft (4000 m) with derating |

## Ordering and shipping details

|                   |                                     |
|-------------------|-------------------------------------|
| Category          | 01215-PG,H,J,K,L,N UNIT MT BREAKERS |
| Discount Schedule | DE2                                 |
| GTIN              | 00785901956891                      |
| Returnability     | Yes                                 |
| Country of origin | US                                  |

## Packing Units

|                              |                          |
|------------------------------|--------------------------|
| Unit Type of Package 1       | PCE                      |
| Number of Units in Package 1 | 1                        |
| Package 1 Weight             | 32.00 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

|                            |                                                                                                                        |
|----------------------------|------------------------------------------------------------------------------------------------------------------------|
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                      |
| EU RoHS Directive          | Compliant<br><a href="#">EU RoHS Declaration</a>                                                                       |
| Mercury free               | Yes                                                                                                                    |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information. |
| RoHS exemption information | <a href="#">Yes</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 |
|----------|-----------|

Recommended replacement(s)