

# RLF36120CU63AE1

Circuit breaker, PowerPacT R, 1200A, 3 pole,  
600VAC, 50kA, busbar, Micrologic 5.0P, 100%,  
modbus



## Main

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

## Complementary

|                                        |                                                                                                                                                                                                                      |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Line Rated Current                     | 1200 A                                                                                                                                                                                                               |
| Number of Poles                        | 3P                                                                                                                                                                                                                   |
| Control type                           | Operating handle                                                                                                                                                                                                     |
| 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 50 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         | 600 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              | 100 %                                                                                                                                                                                                                |
| [Ui] rated insulation voltage          | 750 V IEC 60947-2                                                                                                                                                                                                    |
| Trip unit name                         | MicroLogic 5.0 P                                                                                                                                                                                                     |
| Suitability for isolation              | Yes IEC 60947-2                                                                                                                                                                                                      |
| Utilisation category                   | Category A                                                                                                                                                                                                           |
| AWG gauge                              | AWG 3/0...750 kcmil aluminium/copper                                                                                                                                                                                 |
| Local signalling                       | Alarm 1 LED yellow)long-time pick up)<br>1 LED red)long-time pick up)<br>Trip causes 1 LED red)<br>1 LED red)digital ammeter)<br>Phase-loading LED green)load balancing)                                             |
| Mounting mode                          | Unit mount busbar)                                                                                                                                                                                                   |
| Mounting Support                       | Busbar                                                                                                                                                                                                               |
| Electrical connection                  | Busbar connection, line<br>Busbar connection, load                                                                                                                                                                   |
| Terminal identifier                    | AL2500RK                                                                                                                                                                                                             |
| Tightening torque                      | 601.85 Lbf.in (68 N.m) 0.08...0.62 in <sup>2</sup> (50...400 mm <sup>2</sup> ) (AWG 1/0...750 kcmil)<br>601.85 lbf.in (68 N.m) 0.08...0.23 in <sup>2</sup> (50...150 mm <sup>2</sup> ) (2 x AWG 1/0...2 x 300 kcmil) |
| Number of slots                        | 2 auxiliary switch OF plug-in)<br>1 alarm switch SD plug-in)<br>1 voltage release MN or MX plug-in)                                                                                                                  |

|                             |                      |
|-----------------------------|----------------------|
| Power wire stripping length | 1.38 in (35 mm)      |
| Height                      | 16.24 in (412.50 mm) |
| Width                       | 16.54 in (420.12 mm) |
| Depth                       | 14.49 in (368.05 mm) |
| Net Weight                  | 52 lb(US) (23.59 kg) |
| Quantity per Set            | 1                    |
| Communication interface     | Modbus               |
| Circuit breaker application | HACR rated           |

## Environment

|                                       |                                                                              |
|---------------------------------------|------------------------------------------------------------------------------|
| Quality labels                        | CE                                                                           |
| Standards                             | UL<br>CSA<br>NEMA<br>NMX J-266<br>IEC 60947-2                                |
| Product certifications                | UL[RETURN]CSA[RETURN]NOM                                                     |
| IP degree of protection               | 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          | 01245-RG,H,J,K,L,N UNIT MT BREAKERS |
| Discount Schedule | DE2                                 |
| Returnability     | No                                  |
| Country of origin | US                                  |

## Packing Units

|                              |                          |
|------------------------------|--------------------------|
| Unit Type of Package 1       | PCE                      |
| Number of Units in Package 1 | 1                        |
| Package 1 Height             | 16.22 in (41.2 cm)       |
| Package 1 Width              | 16.54 in (42.0 cm)       |
| Package 1 Length             | 14.49 in (36.8 cm)       |
| Package 1 Weight             | 52.00 lb(US) (23.587 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 with Exemptions                                                                                                                                                                                                                                                                                                          |
| Mercury free                | Yes                                                                                                                                                                                                                                                                                                                                |
| China RoHS Regulation       | <a href="#">China RoHS Declaration</a>                                                                                                                                                                                                                                                                                             |
| 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                                                                                                                                                                                                                                                                                                                                |
| Halogen content performance | Halogen free plastic parts product                                                                                                                                                                                                                                                                                                 |

## Contractual warranty

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