# Product data sheet

Specifications



## Circuit breaker, PowerPacT R, 2500A, 3 pole, 600VAC, 50kA, busbar, Micrologic 3.0, 100%

RLF36250CU31A

**Product availability: Non-Stock - Not normally stocked in distribution facility**

## Main

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

## Complementary

| | |
|---|---|
| **Line Rated Current** | 2500 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, standard, MicroLogic 3.0, LI |
| **Continuous current rating** | 100 % |
| **[Ui] rated insulation voltage** | 750 V IEC 60947-2 |
| **Trip unit name** | MicroLogic 3.0 |
| **Suitability for isolation** | Yes IEC 60947-2 |
| **Utilisation category** | Category A |
| **AWG gauge** | 3/0 AWG...750 kcmil aluminium/copper |
| **Local signalling** | Alarm 1 LED yellow)long-time pick up) |
| **Mounting mode** | Unit mount busbar) |
| **Mounting Support** | Busbar |
| **Electrical connection** | Busbar connection, line<br>Busbar connection, load |
| **Terminal identifier** | AL2500RK |
| **Tightening torque** | 601.8 lbf.in (68 N.m) 0.08…0.6 in² (50…400 mm²) (1/0 AWG...750 kcmil)<br>601.8 lbf.in (68 N.m) 0.08…0.2 in² (50…150 mm²) (2 x 1/0 AWG...2 x 300 kcmil) |

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

| | |
|---|---|
| **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** | 1.4 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) (23.6 kg) |
| **Quantity per Set** | 1 |
| **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<br>CSA<br>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 |
| **GTIN** | 785901942689 |
| **Returnability** | No |
| **Country of origin** | US |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Nbr. of units in pkg.** | 1 |
| **Package 1 Height** | 16.2 in (41.2 cm) |
| **Package 1 Width** | 16.5 in (42.0 cm) |
| **Package 1 Length** | 14.5 in (36.8 cm) |
| **Package weight(Lbs)** | 109.001 lb(US) (49.442 kg) |

## Contractual warranty

| | |
|---|---|
| **Warranty (in months)** | 18 |

## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

### Environmental footprint

| | |
|---|---|
| Total lifecycle Carbon footprint | **4 243 kg CO2 eq.** |
| Carbon footprint of the manufacturing phase [A1 to A3] | **227 kg CO2 eq.** |
| Carbon footprint of the distribution phase [A4] | **14 kg CO2 eq.** |
| Carbon footprint of the installation phase [A5] | **10 kg CO2 eq.** |
| Carbon footprint of the use phase [B2, B3, B4, B6] | **3 929 kg CO2 eq.** |
| Carbon footprint of the end-of-life phase [C1 to C4] | **63 kg CO2 eq.** |
| Environmental Disclosure | **Product Environmental Profile** |

## Use Better

### Materials and Substances

| | |
|---|---|
| Packaging made with recycled cardboard | **Yes** |
| Packaging without single use plastic | **No** |
| SCIP Number | **E0af0645-a161-4464-bcbd-19783d1f9e01** |
| EU RoHS Directive | **Compliant By Exemption** |
| REACh Regulation | **Reference contains Substances of Very High Concern above the threshold** |
| 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** |
| Halogen content performance | **Halogen free plastic parts product** |
| PVC free | **Yes** |

## Use Again

### Repack and remanufacture

| | |
|---|---|
| Recyclability potential, in % | **88** |
| Circularity Profile | **End of Life Information** |
| Removable battery | **Yes** |
| Take-back | **No** |