

# Product data sheet

Specifications



Circuit breaker, PowerPacT R,  
2500A, 3 pole, 600VAC, 25kA,  
busbar, Micrologic 5.0A, 80%

RJF36250U43A

## 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	J
Breaking Capacity	AIR 100 kA 240 V AC 50/60 Hz UL 489 AIR 65 kA 480 V AC 50/60 Hz UL 489 AIR 25 kA 600 V AC 50/60 Hz UL 489 Icu 65 kA 240 V AC 50/60 Hz IEC 60947-2 Icu 50 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	35 kA 240 V AC 50/60 Hz IEC 60947-2 25 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 5.0 A, LSI
Continuous Current Rating	80 %
[Ui] Rated Insulation Voltage	750 V IEC 60947-2
Trip Unit Name	MicroLogic 5.0 A
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) 1 LED red)long-time pick up) Trip causes 1 LED red) 1 LED red)digital ammeter) Phase-loading LED green)load balancing)
Mounting Mode	Unit mount busbar)
Mounting Support	Busbar
Electrical Connection	Busbar connection, line Busbar connection, 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	AL2500RK
Tightening Torque	601.85 lbf.in (68 N.m) 0.08...0.62 in² (50...400 mm²) (AWG 1/0...750 kcmil) 601.85 lbf.in (68 N.m) 0.08...0.23 in² (50...150 mm²) (2 x AWG 1/0...2 x 300 kcmil)
Number Of Slots	2 auxiliary switch OF plug-in) 1 alarm switch SD plug-in) 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
Circuit Breaker Application	HACR rated

## Environment

Quality Labels	CE
Standards	UL CSA NEMA NMX J-266 IEC 60947-2
Product Certifications	UL CSA 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 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	785901686828
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	109.00 lb(US) (49.442 kg)

# Contractual warranty

Warranty	18 months
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Sustainability



**Green Premium™** label is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.





[Learn more about Green Premium >](#)

[Guide to assess a product’s sustainability >](#)



Transparency   RoHS/REACH

## Well-being performance

 Mercury Free	
 Rohs Exemption Information	<a href="#">Yes</a>
 Pvc Free	
 Halogen Free Plastic Parts Product	

## Certifications & Standards

Reach Regulation	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
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>