





Circuit breaker, PowerPacT R, 2500A, 3 pole, 600VAC, 65kA, busbar, Micrologic 6.0H, 80%, modbus

RKF36250U74AE1

Main

Range	PowerPact
Product Name	PowerPact R
Product Or Component Type	Circuit breaker
Device Application	Distribution

Complementary

• ompromontary	
Line Rated Current	2500 A
Number Of Poles	3P
Control Type	Operating handle
Breaking Capacity Code	К
Breaking Capacity	AIR 65 kA 240 V AC 50/60 Hz UL 489 AIR 65 kA 480 V AC 50/60 Hz UL 489 AIR 65 kA 600 V AC 50/60 Hz UL 489 Icu 85 kA 240 V AC 50/60 Hz IEC 60947-2 Icu 70 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 55 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, harmonic, MicroLogic 6.0 H, LSIG
Continuous Current Rating	80 %
[Ui] Rated Insulation Voltage	750 V IEC 60947-2
Trip Unit Name	MicroLogic 6.0 H
Suitability For Isolation	Yes IEC 60947-2
Utilisation Category	Category A
Awg Gauge	AWG 3/0750 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) Ground indicator 1 LED red) Phase-loading LED green)load balancing)
Mounting Mode	Unit mount busbar)
Mounting Support	Busbar

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Electrical Connection	Busbar connection, line	
	Busbar connection, load	
Terminal Identifier	AL2500RK	
Tightening Torque	548.75 lbf.in (62 N.m) 0.080.62 in² (50400 mm²) (AWG 1/0750 kcmil) 548.75 lbf.in (62 N.m) 0.080.23 in² (50150 mm²) (2 x AWG 1/02 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	
Communication Interface	Modbus	
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	-13158 °F (-2570 °C)
Ambient Air Temperature For Storage	-58185 °F (-5085 °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	
Returnability	No	
Country Of Origin	US	

Packing Units

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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

Apr 26, 2024

18 months

Sustainability Green Premium

Green PremiumTM **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ 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 Yes
⊘	Pvc Free
②	Halogen Free Plastic Parts Product

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
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