Product data sheet

Specifications



Circuit breaker, PowerPacT R, 1600A, 3 pole, 600VAC, 65kA, busbar, Micrologic 6.0A, 80%, padlock handle

RKF36160U44AYP

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	1600 A
Number of Poles	3P
Control Type	Operating handle
Breaking capacity code	K
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, ammeter, MicroLogic 6.0 A, LSIG
Continuous current rating	80 %
[Ui] rated insulation voltage	750 V IEC 60947-2
Trip unit name	MicroLogic 6.0 A
Accessory / separate part type	Padlocking device ON and OFF end
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) 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)

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

Mounting Support	Busbar
Electrical connection	Busbar connection, line 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) 601.8 lbf.in (68 N.m) 0.08…0.2 in² (50…150 mm²) (2 x 1/0 AWG...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	1.4 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 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

Returnability	No

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package weight(Lbs)	65.001 lb(US) (29.484 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	**2 586 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**108 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**7 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**5 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**2 436 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**30 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
Take-back	**No**