Product data sheet
Characteristics

RGF36160CU44A
Circuit breaker, PowerPacT R, 1600A, 3 pole, 600VAC, 18kA, busbar, Micrologic 6.0A, 100%



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	G
Breaking capacity	AIR 65 kA 240 V AC 50/60 Hz UL 489 AIR 35 kA 480 V AC 50/60 Hz UL 489 AIR 18 kA 600 V AC 50/60 Hz UL 489 Icu 50 kA 240 V AC 50/60 Hz IEC 60947-2 Icu 35 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	25 KA 240 V AC 50/60 Hz IEC 60947-2 20 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	100 %
[Ui] rated insulation voltage	750 V IEC 60947-2
Trip unit name	MicroLogic 6.0 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) Ground indicator 1 LED red) Phase-loading LED green)load balancing)
Mounting mode	Unit mount busbar)
Mounting Support	Busbar
Electrical connection	Busbar connection, line Busbar connection, load
Terminal identifier	AL2500RK
Tightening torque	548.7 Lbf.In (62 N.m) 0.08…0.6 in² (50…400 mm²) (AWG 1/0...750 kcmil) 548.7 lbf.in (62 N.m) 0.08…0.2 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)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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[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 13123.36 ft (4000 m) with derating

Ordering and shipping details

Category	US10DE201245
Discount Schedule	0DE2
GTIN	785901658627
Returnability	Yes

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	52.0005 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 www.P65Warnings.ca.gov
REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
PVC free	Yes
Halogen content performance	Halogen free plastic parts product

Contractual warranty

Warranty	18 months