

Product data sheet

Specifications

SQUARE D

Green Premium™



Circuit breaker, PowerPacT P,
1000A, 3 pole, 600VAC, 18kA, lugs,
Micrologic 6.0A, 80%

PGL36100U44A

Main

Range	PowerPact
Product name	PowerPact P
Product or component type	Circuit breaker
Device application	Distribution

Complementary

[In] rated current	1000 A
Number of Poles	3P
Control type	Toggle
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	80 %
[Ui] rated insulation voltage	750 V IEC 60947-2
Trip unit name	Micrologic 6.0 A
AWG gauge	4 x AWG 3/0...500 kcmil aluminum/copper
Local signalling	1 trip indicator (green)
Electrical connection	Lugs load Lugs line
Terminal identifier	AL1200P25K
Long time pick-up adjustment range	0.4...1 x Ir
Tightening torque	442.54 lbf.in (50 N.m) 0.15...0.37 in ² (95...240 mm ²) 4 x AWG 3/0...500 kcmil) 8.85...11.51 lbf.in (1.0...1.3 N.m)

Number of slots	2 auxiliary switch OF plug-in) 1 alarm switch SD plug-in) 1 overcurrent trip switch SDE plug-in) 1 voltage release MN or MX plug-in)
Power wire stripping length	1.18 in (30 mm)
Height	16.16 in (410.46 mm)
Width	8.27 in (210.06 mm)
Depth	8.05 in (204.47 mm)
Net weight	32 lb(US) (14.51 kg)
Quantity per set	1
Circuit breaker application	HACR rated

Environment

Quality labels	CE
Standards	UL CSA NEMA NOM-003-SCFI-2000 IEC 60947-2
Product certifications	UL CSA NOM
IP degree of protection	Front cover IP40
Pollution degree	3 IEC 60947-1
Ambient air temperature for operation	28...158 °F (-2...70 °C)
Ambient air temperature for storage	-58...185 °F (-50...85 °C)
Operating altitude	< 2000 m without derating 4000 m with derating

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	12.30 in (31.242 cm)
Package 1 Width	12.00 in (30.48 cm)
Package 1 Length	20.50 in (52.07 cm)
Package 1 Weight	37.82 lb(US) (17.155 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
PVC free	Yes

Contractual warranty

Warranty 18 months

Recommended replacement(s)