

Product data sheet

Specifications

SQUARE D

Green Premium™



Circuit breaker, PowerPact P,
800A, 3 pole, 600VAC, 25kA, lugs,
Micrologic 5.0, 80%

PJL36080U33A

Main

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

Complementary

[In] rated current	800 A
Number of Poles	3P
Control type	Toggle
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, standard, Micrologic 5.0, LSI
Continuous current rating	80 %
[Ui] rated insulation voltage	750 V IEC 60947-2
Trip unit name	Micrologic 5.0
AWG gauge	3 x AWG 3/0...3 x 500 kcmil aluminum/copper
Local signalling	Overload 1 (1 LED amber) 1 trip indicator green)
Mounting mode	Unit mount lug)
Mounting support	Lug
Electrical connection	Lugs line Lugs load
Terminal identifier	AL800M23K

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) 3 x AWG 3/0...3 x 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	0.98 in (25 mm)
Height	12.86 in (326.64 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	11.75 in (29.845 cm)
Package 1 Width	11.63 in (29.528 cm)
Package 1 Length	20.25 in (51.435 cm)
Package 1 Weight	32.00 lb(US) (14.515 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
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Circularity Profile	End of Life Information
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PVC free	Yes
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Contractual warranty

Warranty	18 months
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Recommended replacement(s)