Product data sheet

Specifications

Circuit breaker, PowerPacT P, 800A, 3 pole, 600VAC, 25kA, I-Line, Micrologic 5.0, 80%, ABC

PJA36080U33A

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 at 240 V AC 50/60 Hz conforming to UL 489 AIR 65 kA at 480 V AC 50/60 Hz conforming to UL 489 AIR 25 kA at 600 V AC 50/60 Hz conforming to UL 489 Icu 65 kA at 240 V AC 50/60 Hz conforming to IEC 60947-2 Icu 50 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2
[Ue] rated operational voltage	600 V AC 50/60 Hz conforming to UL 489
Network frequency	50/60 Hz
[Ics] rated service breaking capacity	35 kA at 240 V AC 50/60 Hz conforming to IEC 60947-2 25 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947-2
Trip unit technology	Electronic, standard, MicroLogic 5.0, LSI
Continuous current rating	80 %
[Ui] rated insulation voltage	750 V conforming to IEC 60947-2
Trip unit name	MicroLogic 5.0
AWG gauge	3 x AWG 3/0...500 kcmil aluminium/copper
Local signalling	Overload: 1 1 LED (amber) 1 trip indicator (green)
Mounting mode	I-Line (bracket)
Mounting support	Bracket
Electrical connection	I-Line connection, line Lugs, load
Terminal identifier	AL800M23K
Long time pick-up adjustment range	0.4...1 x Ir
Mounting height	228.6 mm

Tightening torque	50 N.m for 95…240 mm² (3 x AWG 3/0...500 kcmil) 1.0…1.3 N.m
Number of slots	2 slot(s) for auxiliary switch OF (plug-in) 1 slot(s) for alarm switch SD (plug-in) 1 slot(s) for overcurrent trip switch SDE (plug-in) 1 slot(s) for voltage release MN or MX (plug-in)
Power wire stripping length	25 mm
Height	326.64 mm
Width	210.06 mm
Depth	204.47 mm
Net weight	14.5 kg
Quantity per set	1
Phase connection	ABC
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 conforming to IEC 60947-1
Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-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	27.432 cm
Package 1 Width	29.972 cm
Package 1 Length	52.324 cm
Package 1 Weight	16.896 kg
Unit Type of Package 2	PAL
Number of Units in Package 2	12
Package 2 Height	101.6 cm
Package 2 Width	101.6 cm
Package 2 Length	121.92 cm
Package 2 Weight	202.938 kg

Contractual warranty

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Warranty   18 months

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	**1185**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**No**
Packaging without single use plastic	**No**
EU RoHS Directive	**Compliant with Exemptions**
REACh Regulation	**REACh Declaration**
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**
PVC free	**Yes**

Use Again

Repack and remanufacture

End of life manual availability	**End of Life Information**
Removable battery	**Yes**
Take-back	**No**