Product data sheet

Specifications



Circuit breaker, PowerPacT P, 800A, 3 pole, 600VAC, 18kA, I-Line, ET1.0I, 80%, ABC

PGA36080

Product availability: Stock - Normally stocked in distribution facility

Main

Range	PowerPact
Product name	PowerPact P
Product or Component Type	Circuit breaker
Device Application	Distribution

Complementary

Line Rated Current	800 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, basic, ET 1.0I, I
Continuous current rating	80 %
[Ui] rated insulation voltage	750 V IEC 60947-2
Trip unit name	ET 1.0I
AWG gauge	3 x AWG 3/0...500 kcmil aluminium/copper
Local signalling	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	1 In
Mounting Height	9 in (228.6 mm)

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

Tightening torque	442.5 lbf.in (50 N.m) 0.1…0.4 in² (95…240 mm²) (3 x AWG 3/0...500 kcmil) 8.9…11.5 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	1.0 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) (14.5 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 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	US10DE201210
Discount Schedule	0DE2
GTIN	785901496991
Returnability	Yes
Country of origin	MX

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	12.700 in (32.258 cm)
Package 1 Width	12.100 in (30.734 cm)
Package 1 Length	20.50 in (52.07 cm)
Package weight(Lbs)	35.289 lb(US) (16.007 kg)

Contractual warranty

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

Carbon footprint (kg CO2 eq, Total Life cycle)	**1173**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
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

Circularity Profile	**End of Life Information**
Removable battery	**Yes**
Take-back	**No**

Technical Illustration

Dimensions

