

Product data sheet

Specifications



Circuit breaker, PowerPacT M, 300A to 800A, 3 pole, 600VAC, 18kA, lugs, adjustable trip, 80%, lug kit

MGP36800E10LJ

⚠ Discontinued on: Aug 30, 2023

⚠ End-of-service on: Dec 31, 2023

⚠ Discontinued

Main

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

Complementary

[In] rated current	300...800 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, basic, ET 1.0,
Magnetic tripping current	1600...8000 A
Continuous current rating	80 %
[Ui] rated insulation voltage	750 V IEC 60947-2
Trip unit name	ET 1.0
Accessory / separate part type	Medium amperage lug Communication module
Suitability for isolation	Yes IEC 60947-2
Utilisation category	Category A
AWG gauge	AWG 3/0...750 kcmil aluminum AWG 3/0...600 kcmil aluminum/copper
Local signalling	1 trip indicator (green)
Mounting mode	Unit mount lug)

Mounting support	Lug
Electrical connection	Terminal nut, line Lugs, load
Terminal identifier	AL800P7K
Long time pick-up adjustment range	300...800 A
Tightening torque	442.5 lbf.in (50 N.m) 0.1...0.6 in ² (95...380 mm ²) AWG 3/0...750 kcmil) 442.5 lbf.in (50 N.m) 0.1...0.5 in ² (95...300 mm ²) AWG 3/0...600 kcmil)
Number of slots	2 auxiliary switch OF plug-in) 1 alarm switch SD plug-in) 1 voltage release MN or MX plug-in)
Power wire stripping length	1.2 in (30 mm)
Color	Black
Height	12.86 in (326.64 mm)
Width	8.27 in (210.06 mm)
Depth	8.05 in (204.47 mm)
Net weight	29 lb(US) (13.2 kg)
Quantity per set	1
Communication interface	Modbus
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	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	< 2000 m without derating 4000 m with derating

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Contractual warranty

Warranty (in months)	18
-----------------------------	----



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 >](#)

Use Better



Materials and Substances

Packaging made with recycled cardboard **Yes**

Packaging without single use plastic **Yes**

EU RoHS Directive [Compliant](#)

PVC free **Yes**

Use Longer



Lifetime extension

Repair **No**