Product data sheet

Specifications



Circuit breaker, PowerPacT M, 600A, 3 pole, 600VAC, 18kA, lugs, ET 1.0, 80%, control wire both

MGL36600LW

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

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

Complementary

Line Rated Current	600 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	1200…6000 A
Continuous current rating	80 %
[Ui] rated insulation voltage	750 V IEC 60947-2
Trip unit name	ET 1.0
Accessory / separate part type	Control wire ON and OFF end
Suitability for isolation	Yes IEC 60947-2
Utilisation category	Category A
AWG gauge	3 x AWG 3/0...3 x 500 kcmil aluminium/copper
Local signalling	1 trip indicator green)
Mounting mode	Unit mount lug)
Mounting Support	Lug
Electrical connection	Lugs, load Lugs, line

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

Terminal identifier	AL800M23K
Long time pick-up adjustment range	300...800 A
Tightening torque	442.5 lbf.in (50 N.m) 0.1…0.4 in² (95…240 mm²) (3 x AWG 3/0...3 x 500 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	1.0 in (25 mm)
Color	Black
Height	12.86 in (326.64 mm)
Width	8.27 in (210.06 mm)
Depth	8.05 in (204.47 mm)
Product Weight	29 lb(US) (13.2 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	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	US10DE201205
Discount Schedule	0DE2
GTIN	00785901955535
Returnability	Yes
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	10.0 in (25.4 cm)
Package 1 Width	11.750 in (29.845 cm)
Package 1 Length	17.813 in (45.245 cm)

Package weight(Lbs)	29.000 lb(US) (13.154 kg)

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 >

Environmental footprint

Total lifecycle Carbon footprint	**1 413 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**85 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**4 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**4 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**1 300 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**20 kg CO2 eq.**
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
SCIP Number	**21500b23-9fd3-49c7-8372-6c1a79b6c751**
EU RoHS Directive	Compliant By Exemption
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
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 Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**57**
Circularity Profile	End of Life Information
Take-back	**No**