

# Product data sheet

Specifications

SQUARE D



Circuit breaker, PowerPacT M,  
450A, 2 pole, 600VAC, 18kA, lugs,  
ET 1.0, 80%

MGL26450

**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	450 A
Number of Poles	2P
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	900...4500 A
Continuous current rating	80 %
[Ui] rated insulation voltage	750 V IEC 60947-2
Trip unit name	ET 1.0
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
Terminal identifier	AL800M23K

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Long time pick-up adjustment range	300...800 A
Tightening torque	442.5 lbf.in (50 N.m) 0.1...0.4 in <sup>2</sup> (95...240 mm <sup>2</sup> ) (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)
Net 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	785901689645
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)	28.0009 lb(US) (12.701 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	
Carbon footprint (kg CO2 eq, Total Life cycle)	1008
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

### Use Better

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
<a href="#">EU RoHS Directive</a>	Compliant with Exemptions
SCIP Number	21500b23-9fd3-49c7-8372-6c1a79b6c751
REACH Regulation	<a href="#">REACH Declaration</a>
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
PVC free	Yes

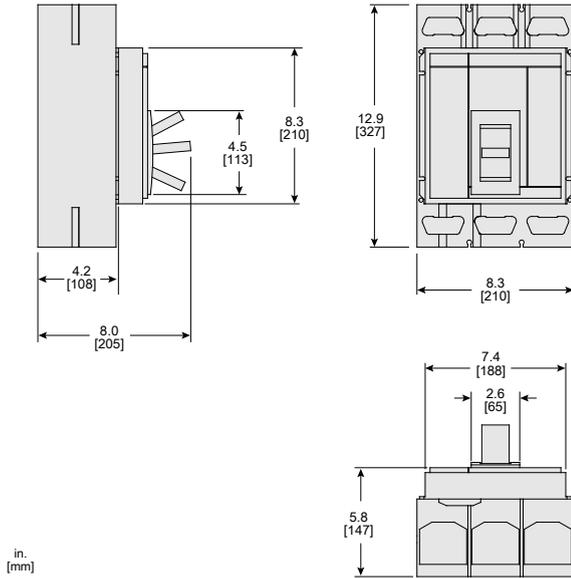
### Use Again

Repack and remanufacture	
Circularity Profile	<a href="#">End of Life Information</a>
Take-back	No

Technical Illustration

Dimensions

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ALL DIMENSIONS ARE APPROXIMATE.  
REFER TO CAD, TECHNICAL DRAWINGS, AND DOCUMENTATION FOR COMPLETE INFORMATION.