

Product data sheet

Specifications

SQUARE D



Circuit breaker, PowerPacT M, 600A, 2 pole, 600VAC, 25kA, I-Line, ET 1.0, 80%, AC

MJA266002

⚠ Discontinued on: Jun 30, 2023

⚠ Discontinued

Main

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

Complementary

[In] rated current	600 A
Number of Poles	2P
Control type	Operating handle
Breaking capacity code	J
Breaking capacity	AIR 100 kA 240 V AC 50/60 Hz UL 489 AIR 65 kA 480 V AC 50/60 Hz UL 489 AIR 25 kA 600 V AC 50/60 Hz UL 489 Icu 65 kA 240 V AC 50/60 Hz IEC 60947-2 Icu 50 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	35 kA 240 V AC 50/60 Hz IEC 60947-2 25 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
Suitability for isolation	Yes IEC 60947-2
Utilisation category	Category A
AWG gauge	3 x AWG 3/0...3 x 500 kcmil aluminum/copper
Local signalling	1 trip indicator green)
Mounting mode	I-Line bracket)
Mounting support	Bracket
Electrical connection	I-Line connection, line Lugs, load

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
Mounting height	9 in (228.6 mm)
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)
Net weight	29 lb(US) (13.2 kg)
Quantity per set	1
Phase connection	AC
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
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 1 Weight	28.0009 lb(US) (12.701 kg)

Contractual warranty

Warranty (in months)	18
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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

Technical Illustration

Dimensions

