Product data sheet

Specifications

Green



() Discontinued

Circuit breaker, PowerPacT M, 500A, 3 pole, 600VAC, 18kA, lugs, ET 1.0, 80%, aux, shunt

MGL36500AASA

() Discontinued on: Nov 20, 2023

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

Complementary		
Line Rated Current	500 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	10005000 A	
Continuous Current Rating	80 %	
[Ui] Rated Insulation Voltage	750 V IEC 60947-2	
Trip Unit Name	ET 1.0	
Accessory / Separate Part Type	Auxiliary switch 24 V AC/DC 1 NO + 1 NC cover frame Shunt trip 110130 V AC/DC	
Suitability For Isolation	Yes IEC 60947-2	
Utilisation Category	Category A	
Awg Gauge	3 x AWG 3/03 x 500 kcmil aluminium/copper	
Local Signalling	1 trip indicator green)	
Mounting Mode	Unit mount lug)	

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

Mounting Support	Lug
Electrical Connection	Lugs, load Lugs, line
Terminal Identifier	AL800M23K
Long Time Pick-Up Adjustment Range	300800 A
Tightening Torque	442.54 lbf.in (50 N.m) 0.150.37 in² (95240 mm²) (3 x AWG 3/03 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	0.98 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) (13.15 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	-13158 °F (-2570 °C)
Ambient Air Temperature For Storage	-58185 °F (-5085 °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	3606486284728	
Returnability	Yes	
Country Of Origin	US	

Packing Units

Unit Type Of Package 1	PCE	
Number Of Units In Package 1	1	
Package 1 Height	10.00 in (25.4 cm)	

Package 1 Width	11.75 in (29.845 cm)	
Package 1 Length	17.81 in (45.245 cm)	
Package 1 Weight	29.00 lb(US) (13.154 kg)	

Contractual warranty

Warranty

18 months

Sustainability Screen

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance

Mercury Free
Rohs Exemption Information Yes
Pvc Free

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
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