# Product data sheet

Specifications

## Circuit breaker, PowerPacT M, 800A, 3 pole, 600VAC, 18kA, lugs, ET 1.0, 80%, aux, shunt

MGL36800AASA

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

**Price*: 10,979.00 USD**

## Main

| | |
|---|---|
| **Range** | PowerPact |
| **Product Name** | PowerPact M |
| **Product Or Component Type** | Circuit breaker |
| **Device Application** | Distribution |

## Complementary

| | |
|---|---|
| **Line Rated Current** | 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<br>AIR 35 kA 480 V AC 50/60 Hz UL 489<br>AIR 18 kA 600 V AC 50/60 Hz UL 489<br>Icu 50 kA 240 V AC 50/60 Hz IEC 60947-2<br>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<br>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** | Auxiliary switch 24 V AC/DC 1 NO + 1 NC cover frame<br>Shunt trip 110...130 V AC/DC |
| **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) |

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

| | |
|---|---|
| **Mounting Support** | Lug |
| **Electrical Connection** | Lugs, load<br>Lugs, line |
| **Terminal Identifier** | AL800M23K |
| **Long Time Pick-Up Adjustment Range** | 300...800 A |
| **Tightening Torque** | 442.54 lbf.in (50 N.m) 0.15…0.37 in² (95…240 mm²) (3 x AWG 3/0...3 x 500 kcmil) |
| **Number Of Slots** | 2 auxiliary switch OF plug-in)<br>1 alarm switch SD plug-in)<br>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

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|---|---|
| **Quality Labels** | CE |
| **Standards** | UL<br>CSA<br>NEMA<br>NOM-003-SCFI-2000<br>IEC 60947-2 |
| **Product Certifications** | UL<br>CSA<br>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<br>13123.36 ft (4000 m) with derating |

## Ordering and shipping details

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|---|---|
| **Category** | US10DE201205 |
| **Discount Schedule** | 0DE2 |
| **Returnability** | No |
| **Country Of Origin** | US |

## Packing Units

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|---|---|
| **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

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|---|---|
| **Warranty** | 18 months |

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-$CO_2$ 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

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|---|---|
| **Reach Regulation** | REACh Declaration |
| **Eu Rohs Directive** | Compliant with Exemptions |
| **China Rohs Regulation** | China RoHS declaration<br>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 |