# Product data sheet

Specifications

**SQUARE D**

## Circuit breaker, PowerPacT M, 500A, 3 pole, 600VAC, 25kA, I-Line, ET 1.0, 80%, ABC

MJA36500

**Product availability: Stock - 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** | 500 A |
| **Number of Poles** | 3P |
| **Control Type** | Operating handle |
| **Breaking capacity code** | J |
| **Breaking capacity** | AIR 100 kA 240 V AC 50/60 Hz UL 489<br>AIR 65 kA 480 V AC 50/60 Hz UL 489<br>AIR 25 kA 600 V AC 50/60 Hz UL 489<br>Icu 65 kA 240 V AC 50/60 Hz IEC 60947-2<br>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<br>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** | 1000…5000 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** | I-Line bracket) |
| **Mounting Support** | Bracket |
| **Electrical connection** | I-Line connection, line<br>Lugs, load |
| **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 |
| **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) <br> 1 alarm switch SD plug-in) <br> 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 <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

| | |
|---|---|
| **Category** | US10DE201200 |
| **Discount Schedule** | 0DE2 |
| **GTIN** | 00785901575696 |
| **Returnability** | Yes |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Nbr. of units in pkg.** | 1 |
| **Package 1 Height** | 10.40 in (26.416 cm) |
| **Package 1 Width** | 12.00 in (30.48 cm) |
| **Package 1 Length** | 18.10 in (45.974 cm) |
| **Package weight(Lbs)** | 28.900 lb(US) (13.109 kg) |

Life Is On Schneider Electric

# Contractual warranty

**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) | **1443** |
| Environmental Disclosure | **Product Environmental Profile** |

## Use Better

### Materials and Substances

| | |
|---|---|
| Packaging made with recycled cardboard | **Yes** |
| Packaging without single use plastic | **Yes** |
| **EU RoHS Directive** | **Compliant with Exemptions** |
| SCIP Number | **21500b23-9fd3-49c7-8372-6c1a79b6c751** |
| REACh Regulation | **REACh Declaration** |
| 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 Again

### Repack and remanufacture

| | |
|---|---|
| Circularity Profile | **End of Life Information** |
| Take-back | **No** |

Technical Illustration

**Dimensions**