

Product data sheet

Specifications

SQUARE D



Circuit breaker, PowerPacT P, 800A, 3 pole, 600VAC, 18kA, I-Line, Micrologic 3.0, 100%, ABC

PGA36080CU31A

Product availability: Stock - Normally stocked in distribution facility

Main

| | |
|---------------------------|-----------------|
| Range | PowerPact |
| Product name | PowerPact P |
| Product or Component Type | Circuit breaker |
| Device Application | Distribution |

Complementary

| | |
|--|--|
| Line Rated Current | 800 A |
| Number of Poles | 3P |
| Control Type | Toggle |
| 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, standard, MicroLogic 3.0, LI |
| Continuous current rating | 100 % |
| [Ui] rated insulation voltage | 750 V IEC 60947-2 |
| Trip unit name | MicroLogic 3.0 |
| AWG gauge | 3 x AWG 3/0...500 kcmil aluminium/copper |
| Local signalling | Overload 1 1 LED amber) 1 trip indicator green) |
| Mounting mode | I-Line bracket) |
| Mounting Support | Bracket |
| Electrical connection | I-Line connection, line Lugs, load |
| Terminal identifier | AL800M23K |
| Long time pick-up adjustment range | 0.4...1 x Ir |
| Mounting Height | 9 in (228.6 mm) |

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

| | |
|------------------------------------|---|
| Tightening torque | 442.5 lbf.in (50 N.m) 0.1...0.4 in ² (95...240 mm ²) (3 x AWG 3/0...500 kcmil) 8.9...11.5 lbf.in (1.0...1.3 N.m) |
| Number of slots | 2 auxiliary switch OF plug-in) 1 alarm switch SD plug-in) 1 overcurrent trip switch SDE plug-in) 1 voltage release MN or MX plug-in) |
| Power wire stripping length | 1.0 in (25 mm) |
| Height | 12.86 in (326.64 mm) |
| Width | 8.27 in (210.06 mm) |
| Depth | 8.05 in (204.47 mm) |
| Net Weight | 32 lb(US) (14.5 kg) |
| Quantity per Set | 1 |
| Phase connection | ABC |
| 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 | Front cover 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 | US10DE201210 |
| Discount Schedule | 0DE2 |
| GTIN | 785901574309 |
| Returnability | Yes |
| Country of origin | MX |

Packing Units

| | |
|-------------------------------|----------------------------|
| Unit Type of Package 1 | PCE |
| Nbr. of units in pkg. | 1 |
| Package 1 Height | 11.75 in (29.845 cm) |
| Package 1 Width | 11.63 in (29.528 cm) |
| Package 1 Length | 20.25 in (51.435 cm) |
| Package weight(Lbs) | 32.0001 lb(US) (14.515 kg) |

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) 1151

Environmental Disclosure [Product Environmental Profile](#)

Use Better

Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic No

[EU RoHS Directive](#) Compliant with Exemptions

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](#)

Removable battery Yes

Take-back No

Technical Illustration

Dimensions

