# Product data sheet
## Characteristics

# BGA160803
## PowerPact - circuit breaker - 80A 1P AC 35kA at 480/440 (UL) - I-Line

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

Price* : 609.00 USD

## Main

| | |
|---|---|
| Range | PowerPact |
| Product name | PowerPact B |
| Device short name | BG 080 |
| Product or component type | Circuit breaker |
| Device application | Distribution |

## Complementary

| | |
|---|---|
| Line Rated Current | 80 A |
| Poles description | 1P |
| Protected poles description | 1t |
| Control type | Toggle |
| Breaking capacity code | G |
| Breaking capacity | 65 kA at 240 V AC 50/60 Hz according to UL 489<br>Icu: 65 kA at 220...240 V AC 50/60 Hz according to IEC 60947-2<br>65 kA at 208Y/120 V AC 50/60 Hz according to UL 489<br>18 kA at 347 V AC 50/60 Hz according to UL 489<br>35 kA at 277 V AC 50/60 Hz according to UL 489 |
| System Voltage | 240 V AC 50/60 Hz according to IEC 60947-2<br>347 V AC 50/60 Hz according to UL 489 |
| [Ics] rated service breaking capacity | 65 kA: at 220...240 V AC 50/60 Hz according to IEC 60947-2 |
| [Uimp] rated impulse withstand voltage | 8 kV according to IEC 60947-2 |
| [Ui] rated insulation voltage | 800 V according to IEC 60947-2 |
| Trip unit technology | Thermal-magnetic |
| Trip unit name | TM-D |
| Suitability for isolation | Yes according to IEC 60947-2 |
| Utilisation category | Category A |
| Mechanical durability | 20000 cycles according to IEC 947-1 Annex K ed 5.2 |

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

| | |
|---|---|
| Electrical durability | 10000 cycles according to IEC 947-1 Annex K ed 5.2 In at 440 V |
| Connection pitch | 1.06 in (27 mm) |
| Local signalling | Green flag presence of auxiliary contacts |
| Mounting mode | I-Line |
| Electrical connection | I-Line connection at line<br>Lugs at load |
| AWG gauge | AWG 14...AWG 2/0 (aluminium/copper) |
| Mounting height | 1.5 in (38.1 mm) |
| Tightening torque | 3.6...4.4 N.m 0...0.01 in² (2.5...6 mm²) (AWG 14...AWG 10)<br>5...6.2 N.m 0.02...0.11 in² (10...70 mm²) (AWG 8...AWG 2/0) |
| Wire stripping length | 0.79 in (20 mm) |
| Colour | Grey (RAL 7016) |
| 9 mm pitches | 3 |
| Height | 5.39 in (137 mm) |
| Width | 1.06 in (27 mm) |
| Depth | 3.5 in (89 mm) |
| Product weight | 1.41 lb(US) (0.6375 kg) |
| Quantity per set | Set of 1 |
| Phase connection | B |
| Continuous current rating | 80 % |

## Environment

| | |
|---|---|
| Quality labels | CE |
| Standards | NEMA AB1<br>CSA C22.2 No 5<br>EN/IEC 60947-2<br>GB 14048.2<br>NMX J-266<br>EN/IEC 60947-5-1<br>UL 489 |
| Product certifications | UL<br>CSA<br>CCC<br>EAC<br>NOM<br>IEC |
| IP degree of protection | IP40 (front cover) according to IEC 60529 |
| IK degree of protection | IK07 according to IEC 62262 |
| Pollution degree | 3 according to 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 | 5000 m with derating<br>6561.68 ft (2000 m) without derating |

## Ordering and shipping details

| | |
|---|---|
| Category | 01134 - BGA I-LINE BREAKER |
| Discount Schedule | DE2 |
| GTIN | 003606489506261 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 1.6100000000000001 |
| Returnability | Y |