

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



Price\* : 1,404.00 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                                                                                                                                                                                                          |
| Number of Poles                        | 2P                                                                                                                                                                                                            |
| Control type                           | Toggle                                                                                                                                                                                                        |
| Breaking capacity code                 | G                                                                                                                                                                                                             |
| Breaking capacity                      | 65 kA 208Y/120 V AC 50/60 Hz UL 489<br>65 kA 240 V AC 50/60 Hz UL 489<br>35 kA 480/277 V AC 50/60 Hz UL 489<br>35 kA 480 V AC 50/60 Hz UL 489<br>20 kA 250 V DC UL 489<br>18 kA 600Y/347 V AC 50/60 Hz UL 489 |
| [Ue] rated operational voltage         | 525 V AC 50/60 Hz UL 489                                                                                                                                                                                      |
| [Ics] rated service breaking capacity  | 65 kA 220...240 V AC 50/60 Hz IEC 60947-2<br>18 kA 500...525 V AC 50/60 Hz IEC 60947-2<br>35 kA 380...415 V AC 50/60 Hz IEC 60947-2<br>35 kA 440 V AC 50/60 Hz IEC 60947-2                                    |
| [Uimp] rated impulse withstand voltage | 8 kV IEC 60947-2                                                                                                                                                                                              |
| Trip unit technology                   | Thermal-magnetic                                                                                                                                                                                              |
| Continuous current rating              | 80 %                                                                                                                                                                                                          |
| [Ui] rated insulation voltage          | 800 V IEC 60947-2                                                                                                                                                                                             |
| Suitability for isolation              | Yes conforming to IEC 60947-2                                                                                                                                                                                 |

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

|                             |                                                                                                                                                                                                                              |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Utilisation category        | Category A                                                                                                                                                                                                                   |
| Mechanical durability       | 20000 cycles IEC 947-1 Annex K ed 5.2                                                                                                                                                                                        |
| Electrical durability       | 10000 cycles IEC 947-1 Annex K ed 5.2 440 V In                                                                                                                                                                               |
| Connection pitch            | 1.06 in (27 mm)                                                                                                                                                                                                              |
| AWG gauge                   | AWG 14...AWG 2/0 aluminium/copper                                                                                                                                                                                            |
| Local signalling            | for presence of auxiliary contacts flag (green)                                                                                                                                                                              |
| Mounting mode               | I-Line                                                                                                                                                                                                                       |
| Electrical connection       | I-Line connection line<br>Lugs load                                                                                                                                                                                          |
| Mounting height             | 3.00 in (76.2 mm)                                                                                                                                                                                                            |
| Tightening torque           | 31.86...38.94 lbf.in (3.6...4.4 N.m) 0.00...0.01 in <sup>2</sup> (2.5...6 mm <sup>2</sup> ) (AWG 14...AWG 10)<br>44.25...54.87 lbf.in (5...6.2 N.m) 0.02...0.11 in <sup>2</sup> (10...70 mm <sup>2</sup> ) (AWG 8...AWG 2/0) |
| Number of slots             | 1 auxiliary switch OF plug-in)<br>1 voltage release MN or MX plug-in)                                                                                                                                                        |
| Power wire stripping length | 0.79 in (20 mm)                                                                                                                                                                                                              |
| Color                       | Grey (RAL 7016)                                                                                                                                                                                                              |
| 9 mm pitches                | 6                                                                                                                                                                                                                            |
| Height                      | 5.39 in (137 mm)                                                                                                                                                                                                             |
| Width                       | 2.13 in (54 mm)                                                                                                                                                                                                              |
| Depth                       | 3.50 in (89 mm)                                                                                                                                                                                                              |
| Net Weight                  | 2.10 lb(US) (0.952 kg)                                                                                                                                                                                                       |
| Quantity per set            | Set of 1                                                                                                                                                                                                                     |
| Phase connection            | BC                                                                                                                                                                                                                           |

## Environment

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

## Ordering and shipping details

|                       |                            |
|-----------------------|----------------------------|
| Category              | 01134 - BGA I-LINE BREAKER |
| Discount Schedule     | DE2                        |
| Nbr. of units in pkg. | 1                          |
| Package weight(Lbs)   | 2.91 lb(US) (1.32 kg)      |
| Returnability         | No                         |
| Country of origin     | US                         |

## Offer Sustainability

|                             |                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status    | Green Premium product                                                                                                                                                                                                                                                                                                              |
| 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| REACH Regulation            | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                                                                  |
| EU RoHS Directive           | Compliant<br><a href="#">EU RoHS Declaration</a>                                                                                                                                                                                                                                                                                   |
| Mercury free                | Yes                                                                                                                                                                                                                                                                                                                                |
| RoHS exemption information  | <a href="#">Yes</a>                                                                                                                                                                                                                                                                                                                |
| China RoHS Regulation       | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information.                                                                                                                                                                                                             |
| Environmental Disclosure    | <a href="#">Product Environmental Profile</a>                                                                                                                                                                                                                                                                                      |
| PVC free                    | Yes                                                                                                                                                                                                                                                                                                                                |
| Halogen content performance | Halogen free product                                                                                                                                                                                                                                                                                                               |