



## Main

|                           |                 |
|---------------------------|-----------------|
| Range                     | PowerPact       |
| Product name              | PowerPact B     |
| Device short name         | BG 025          |
| Product or Component Type | Circuit breaker |
| Device Application        | Distribution    |

## Complementary

|                                        |                                                                                                                                                                                                               |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Line Rated Current                     | 25 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>20 kA 600Y/347 V AC 50/60 Hz UL 489 |
| [Ue] rated operational voltage         | 525 V AC 50/60 Hz UL 489                                                                                                                                                                                      |
| Network Frequency                      | 50/60 Hz                                                                                                                                                                                                      |
| [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 IEC 60947-2                                                                                                                                                                                               |
| 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 6...AWG 2/0 fine stranded aluminium/copper<br>AWG 14...AWG 3/0 rigid or stranded aluminium/copper                                                                                                         |
| Local signalling                       | Presence of auxiliary contacts flag green)                                                                                                                                                                    |
| Mounting mode                          | Clip-on 35 x 15 mm symmetrical DIN rail)<br>By screws plate)                                                                                                                                                  |
| Electrical connection                  | Everlink lug, line<br>Everlink lug, load                                                                                                                                                                      |
| Tightening torque                      | 44.3 Lbf.in (5 N.m) 0.004...0.02 in <sup>2</sup> (2.5...16 mm <sup>2</sup> ) (AWG 14...AWG 4)<br>79.7 lbf.in (9 N.m) 0.04...0.1 in <sup>2</sup> (25...95 mm <sup>2</sup> ) (AWG 3...AWG 3/0)                  |
| Number of slots                        | 1 auxiliary switch OF plug-in)<br>1 voltage release MN or MX plug-in)                                                                                                                                         |

|                             |                         |
|-----------------------------|-------------------------|
| Power wire stripping length | 0.8 in (20 mm)          |
| Color                       | Gray RAL 7016)          |
| 9 mm pitches                | 6                       |
| Height                      | 5.4 in (137 mm)         |
| Width                       | 2.1 in (54 mm)          |
| Depth                       | 3.1 in (80 mm)          |
| Net Weight                  | 1.695 lb(US) (0.769 kg) |
| Quantity per Set            | Set of 1                |
| Circuit breaker application | HACR rated              |

## Environment

|                                       |                                                                                                       |
|---------------------------------------|-------------------------------------------------------------------------------------------------------|
| Quality labels                        | CE                                                                                                    |
| Standards                             | UL 489<br>EN/IEC 60947-5-1<br>EN/IEC 60947-2<br>NMX J-266<br>NEMA AB1<br>CSA C22.2 No 5<br>GB 14048.2 |
| Product certifications                | UL[RETURN]IEC[RETURN]CCC[RETURN]EAC[RETURN]CSA[RETURN]NOM                                             |
| IP degree of protection               | Front cover IP40 IEC 60529                                                                            |
| IK degree of protection               | IK07 conforming to IEC 62262                                                                          |
| 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>5000 m with derating                                        |

## Ordering and shipping details

|                   |              |
|-------------------|--------------|
| Category          | US10DE201131 |
| Discount Schedule | 0DE2         |
| GTIN              | 785901073086 |
| Returnability     | No           |
| Country of origin | US           |

## Packing Units

|                              |                       |
|------------------------------|-----------------------|
| Unit Type of Package 1       | PCE                   |
| Number of Units in Package 1 | 1                     |
| Package 1 Height             | 5.4 in (13.7 cm)      |
| Package 1 Width              | 4.01 in (10.19 cm)    |
| Package 1 Length             | 2.1 in (5.4 cm)       |
| Package 1 Weight             | 24.000 oz (680.389 g) |

## Offer Sustainability

|                            |                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                             |
| California proposition 65  | WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov                                                                    |
| REACH Regulation           |  <a href="#">REACH Declaration</a>             |
| EU RoHS Directive          | Compliant with Exemptions                                                                                                         |
| Mercury free               | Yes                                                                                                                               |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>        |
| RoHS exemption information |  Yes                                           |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</a> |
| Circularity Profile        | No need of specific recycling operations                                                                                          |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.      |

|                             |                      |
|-----------------------------|----------------------|
| PVC free                    | Yes                  |
| Halogen content performance | Halogen free product |