

# BGL36050LU

Circuit breaker, PowerPact B, 50A, 3 pole, 18 kA, 600Y/347 VAC, UL, Everlink, control wire ON end



## Main

|                           |                 |
|---------------------------|-----------------|
| Range                     | PowerPact       |
| Product name              | PowerPact B     |
| Device short name         | BG 050          |
| Product or component type | Circuit breaker |
| Device application        | Distribution    |

## Complementary

|  |   |
|--|---|
| [In] rated current                     | 50 A  |
| Number of Poles                        | 3P  |
| Protected poles description            | 3t  |
| Control type                           | Toggle  |
| Breaking capacity code                 | G   |
| Breaking capacity                      | 65 KA at 208Y/120 V AC 50/60 Hz conforming to UL 489<br>65 KA at 240 V AC 50/60 Hz conforming to UL 489<br>35 KA at 480/277 V AC 50/60 Hz conforming to UL 489<br>35 KA at 480 V AC 50/60 Hz conforming to UL 489<br>20 KA at 250 V DC conforming to UL 489<br>18 kA at 600Y/347 V AC 50/60 Hz conforming to UL 489 |
| [Ue] rated operational voltage         | 525 V AC 50/60 Hz conforming to UL 489  |
| [Ics] rated service breaking capacity  | 65 KA at 220...240 V AC 50/60 Hz conforming to IEC 60947-2<br>18 KA at 500...525 V AC 50/60 Hz conforming to IEC 60947-2<br>35 KA at 380...415 V AC 50/60 Hz conforming to IEC 60947-2<br>35 KA at 440 V AC 50/60 Hz conforming to 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 conforming to IEC 60947-2   |
| Trip unit name                         | TM-D  |
| Suitability for isolation              | Yes conforming to IEC 60947-2   |
| Utilisation category                   | Category A  |
| Mechanical durability                  | 15000 cycles conforming to IEC 947-1 Annex K ed 5.2   |
| Electrical durability                  | 10000 cycles conforming to IEC 947-1 Annex K ed 5.2 at 440 V In   |
| Connection pitch                       | 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                       | Flag (green) for presence of auxiliary contacts   |
| Mounting mode                          | Clip-on (35 mm symmetrical DIN rail)<br>By screws (plate)   |
| Electrical connection                  | Everlink lug line<br>Everlink lug load  |
| Tightening torque                      | 5 N.M for 2.5...16 mm <sup>2</sup> (AWG 14...AWG 4)<br>9 N.m for 25...95 mm <sup>2</sup> (AWG 3...AWG 3/0)  |

|                             |  |
|-----------------------------|--|
| Number of slots             | 1 slot(s) for auxiliary switch OF (plug-in)<br>1 slot(s) for voltage release MN or MX (plug-in)<br>1 slot(s) for alarm switch SD (plug-in) |
| Power wire stripping length | 20 mm  |
| Color                       | Grey (RAL 7016)  |
| 9 mm pitches                | 9  |
| Height                      | 137 mm   |
| Width                       | 81 mm  |
| Depth                       | 80 mm  |
| Net weight                  | 1.074 kg   |
| Quantity per set            | Set of 1   |






## Environment

|                                       |   |
|---------------------------------------|---|
| Quality labels                        | CE  |
| Standards                             | CSA C22.2 No 5<br>UL 489<br>NMX J-266<br>NEMA AB1<br>EN/IEC 60947-2<br>GB 14048.2<br>EN/IEC 60947-5-1 |
| Product certifications                | UL<br>IEC<br>CCC<br>EAC<br>CSA<br>NOM   |
| IP degree of protection               | Front cover: IP40 conforming to IEC 60529   |
| IK degree of protection               | IK07 conforming to IEC 62262  |
| Pollution degree                      | 3 conforming to IEC 60947-1   |
| Ambient air temperature for operation | -25...70 °C   |
| Ambient air temperature for storage   | -50...85 °C   |
| Operating altitude                    | 2000 m without derating<br>5000 m with derating   |

## Packing Units

|                  |           |
|------------------|-----------|
| Package 1 Weight | 1.179 kg  |
| Package 1 Height | 8.382 cm  |
| Package 1 width  | 11.938 cm |
| Package 1 Length | 20.574 cm |

## Offer Sustainability

|                             |   |
|-----------------------------|---|
| Sustainable offer status    | Green Premium product   |
| REACH Regulation            |  <a href="#">REACH Declaration</a>             |
| EU RoHS Directive           | Compliant  <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>        |
| Environmental Disclosure    |  <a href="#">Product Environmental Profile</a> |
| 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  |