

# BGL36045

PowerPact - circuit breaker - 45A 3P AC 35kA at 480/440 (UL) - EverLink lug

Product availability : Stock - Normally stocked in distribution facility



## Main

|                           |                 |
|---------------------------|-----------------|
| Range                     | PowerPact       |
| Product name              | PowerPact B     |
| Device short name         | BG 045          |
| Product or component type | Circuit breaker |
| Device application        | Distribution    |

## Complementary

|  |   |
|--|---|
| Line Rated Current                     | 45 A  |
| Poles description                      | 3P  |
| Protected poles description            | 3t  |
| Control type                           | Toggle  |
| Breaking capacity code                 | G   |
| Breaking capacity                      | 65 kA at 240 V AC 50/60 Hz according to UL 489<br>35 kA at 480 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>Icu: 35 kA at 380...415 V AC 50/60 Hz according to IEC 60947-2<br>Icu: 35 kA at 440 V AC 50/60 Hz according to IEC 60947-2<br>Icu: 18 kA at 500...525 V AC 50/60 Hz according to IEC 60947-2<br>35 kA at 480Y/277 V AC 50/60 Hz according to UL 489<br>18 kA at 600Y/347 V AC 50/60 Hz according to UL 489<br>65 kA at 208Y/120 V AC 50/60 Hz according to UL 489 |
| System Voltage                         | 500...525 V AC 50/60 Hz according to IEC 60947-2<br>600Y/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<br>35 kA: at 380...415 V AC 50/60 Hz according to IEC 60947-2<br>35 kA: at 440 V AC 50/60 Hz according to IEC 60947-2<br>18 kA: at 500...525 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  |
| 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             | By screws plate<br>Clip-on 35 x 15 mm symmetrical DIN rail  |
| Electrical connection     | Everlink lug at line<br>Everlink lug at load  |
| AWG gauge                 | AWG 6...AWG 2/0 fine stranded (aluminium/copper)<br>AWG 14...AWG 3/0 rigid or stranded (aluminium/copper)   |
| Tightening torque         | 44.25 lbf.in (5 N.m) 0...0.02 in <sup>2</sup> (2.5...16 mm <sup>2</sup> ) (AWG 14...AWG 4)<br>79.65 lbf.in (9 N.m) 0.04...0.15 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)<br>1 alarm switch SD (plug-in)  |
| Wire stripping length     | 0.79 in (20 mm)   |
| Colour                    | Grey (RAL 7016)   |
| 9 mm pitches              | 9   |
| Height                    | 5.39 in (137 mm)  |
| Width                     | 3.19 in (81 mm)   |
| Depth                     | 3.15 in (80 mm)   |
| Product weight            | 2.37 lb(US) (1.074 kg)  |
| Quantity per set          | Set of 1  |

## Environment

|                                       |   |
|---------------------------------------|---|
| Quality labels                        | CE  |
| Standards                             | EN/IEC 60947-2<br>EN/IEC 60947-5-1<br>GB 14048.2<br>NEMA AB1<br>UL 489<br>CSA C22.2 No 5<br>NMJ J-266 |
| 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              | 01131 - BG UNIT MOUNT BREAKER/SWITCH |
| Discount Schedule     | DE2                                  |
| GTIN                  | 00785901076193                       |
| Nbr. of units in pkg. | 1                                    |
| Package weight(Lbs)   | 1.5                                  |
| Returnability         | N                                    |

## Offer Sustainability

|                          |   |
|--------------------------|---|
| Sustainable offer status | Not Green Premium product   |
| RoHS (date code: YYWW)   | Compliant - since 1644 - Schneider Electric declaration of conformity<br><a href="#">Schneider Electric declaration of conformity</a> |
| REACH                    | Reference not containing SVHC above the threshold<br><a href="#">Reference not containing SVHC above the threshold</a>                |