Product data sheet Characteristics

BGF36125

Circuit breaker, PowerPacT B, 125A, 3 pole, 600Y/347VAC, 18kA, terminal nut, thermal magnetic, 80%



Main

| Range | PowerPact |
|---------------------------|-----------------|
| Product name | PowerPact B |
| Device short name | BG 125 |
| Product or component type | Circuit breaker |
| Device application | Distribution |

Complementary

| Complementary | |
|--|---|
| [In] rated current | 125 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 65 KA at 240 V AC 50/60 Hz conforming to UL 489 35 KA at 480/277 V AC 50/60 Hz conforming to UL 489 35 KA at 480 V AC 50/60 Hz conforming to UL 489 20 KA at 250 V DC conforming to UL 489 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 |
| Network frequency | 50/60 Hz |
| [lcs] rated service breaking capacity | 65 KA at 220240 V AC 50/60 Hz conforming to IEC 60947-2 18 KA at 500525 V AC 50/60 Hz conforming to IEC 60947-2 35 KA at 380415 V AC 50/60 Hz conforming to IEC 60947-2 35 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Uimp] rated impulse withstand voltage | 8 kV conforming to IEC 60947-2 |
| Trip unit technology | Thermal-magneticTM-D, |
| 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 14AWG 8 aluminium/copper AWG 6AWG 3/0 aluminium/copper |
| Local signalling | Presence of auxiliary contacts: flag (green) |
| Mounting mode | Clip-on (35 mm symmetrical DIN rail) By screws (plate) |
| Electrical connection | Terminal nut, ON and OFF end |
| Tightening torque | 5 N.M for 2.516 mm² (AWG 14AWG 4) 9 N.m for 2595 mm² (AWG 3AWG 3/0) |
| | |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.

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.

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| Number of slots | 1 slot(s) for auxiliary switch OF (plug-in) 1 slot(s) for voltage release MN or MX (plug-in) 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 | 0.924 kg | |
| Quantity per set | Set of 1 | |
| Circuit breaker application | HACR rated | |
| | | |

Environment

| Quality labels | CE |
|---------------------------------------|---|
| Standards | CSA C22.2 No 5 GB 14048.2 |
| | EN/IEC 60947-2 |
| | EN/IEC 60947-5-1 |
| | UL 489 |
| | NMX J-266 |
| | NEMA AB1 |
| Product certifications | UL[RETURN]IEC[RETURN]CCC[RETURN]EAC[RETURN]CSA[RETURN]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 | -2570 °C |
| Ambient air temperature for storage | -5085 °C |
| Operating altitude | 2000 m without derating |
| | 5000 m with derating |

Offer Sustainability

| Sustainable offer status | Green Premium product |
|----------------------------|---|
| REACh Regulation | [™] REACh Declaration |
| EU RoHS Directive | Compliant with Exemptions |
| Mercury free | Yes |
| RoHS exemption information | ₽¥Yes |
| China RoHS Regulation | ☐ China RoHS Declaration |
| Environmental Disclosure | Product Environmental Profile |
| 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 |