



Main

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|---------------------------|-----------------|
| Range | PowerPact |
| Product name | PowerPact B |
| Device short name | BD 020 |
| Product or component type | Circuit breaker |
| Device application | Distribution |

Complementary

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|--|---|
| Line Rated Current | 20 A |
| Number of Poles | 2P |
| Protected poles description | 2t |
| Control type | Toggle |
| Breaking capacity code | D |
| Breaking capacity | 25 KA 208Y/120 V AC 50/60 Hz UL 489 18 KA 240 V AC 50/60 Hz UL 489 Icu 25 kA 480/277 V AC 50/60 Hz UL 489 Icu 14 kA 480 V AC 50/60 Hz UL 489 18 KA 600Y/347 V AC 50/60 Hz UL 489 14 KA 250 V DC UL 489 25 KA Icu 18 kA |
| [Ue] rated operational voltage | 525 V AC 50/60 Hz UL 489 |
| [Ics] rated service breaking capacity | 25 KA 220...240 V AC 50/60 Hz IEC 60947-2 14 KA 500...525 V AC 50/60 Hz IEC 60947-2 18 KA 380...415 V AC 50/60 Hz IEC 60947-2 18 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 |
| Trip unit name | TM-D |
| Suitability for isolation | Yes conforming to IEC 60947-2 |
| Utilisation category | Category A |
| Mechanical durability | 15000 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 8 aluminium/copper AWG 6...AWG 3/0 aluminium/copper |
| Local signalling | Flag (green) for presence of auxiliary contacts |
| Mounting mode | Clip-on 35 mm symmetrical DIN rail) By screws plate) |
| Electrical connection | Terminal nut ON and OFF end |
| Tightening torque | 44.25 lbf.in (5 N.m) 0.00...0.02 in ² (2.5...16 mm ²) (AWG 14...AWG 4) 79.66 lbf.in (9 N.m) 0.04...0.15 in ² (25...95 mm ²) (AWG 3...AWG 3/0) |
| Number of slots | 1 auxiliary switch OF plug-in) 1 voltage release MN or MX plug-in) |

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| 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 | 3.15 in (80 mm) |
| Net Weight | 1.47 lb(US) (0.669 kg) |
| Quantity per set | Set of 1 |

Environment

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|---------------------------------------|---|
| Quality labels | CE |
| Standards | NEMA AB1 UL 489 EN/IEC 60947-5-1 GB 14048.2 EN/IEC 60947-2 NMX J-266 CSA C22.2 No 5 |
| Product certifications | UL IEC CCC EAC CSA 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 | 2000 m without derating 5000 m with derating |

Ordering and shipping details

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|-----------------------|--------------------------------------|
| Category | 01130 - BD UNIT MOUNT BREAKER/SWITCH |
| Discount Schedule | DE2 |
| GTIN | 03606481148919 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 1.5 lb(US) (0.68 kg) |
| Returnability | Yes |
| Country of origin | US |

Packing Units

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|------------------|---------------------|
| Package 1 Height | 2.40 in (6.096 cm) |
| Package 1 width | 4.70 in (11.938 cm) |
| Package 1 Length | 8.10 in (20.574 cm) |

Offer Sustainability

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| 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 www.P65Warnings.ca.gov |
| EU RoHS Directive | Compliant  EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information |  Yes |
| China RoHS Regulation |  China RoHS Declaration |
| Environmental Disclosure |  Product Environmental Profile |

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| 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 |