



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 | 3P |
| Control type | Toggle |
| Breaking capacity code | D |
| Breaking capacity | 25 KA 208Y/120 V AC 50/60 Hz UL 489 25 KA 240 V AC 50/60 Hz UL 489 18 KA 480/277 V AC 50/60 Hz UL 489 18 KA 480 V AC 50/60 Hz UL 489 14 KA 600Y/347 V AC 50/60 Hz UL 489 10 kA 250 V DC UL 489 |
| [Ue] rated operational voltage | 525 V AC 50/60 Hz UL 489 |
| [Ics] rated service breaking capacity | 25 KA at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 14 KA 500...525 V AC 50/60 Hz IEC 60947-2 18 KA at 380...415 V AC 50/60 Hz conforming to IEC 60947-2 18 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Uimp] rated impulse withstand voltage | 8 kV IEC 60947-2 |
| [Ui] rated insulation voltage | 800 V IEC 60947-2 |
| Trip unit technology | Thermal-magnetic |
| Suitability for isolation | Yes conforming to 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) |
| Local signalling | Flag (green) for presence of auxiliary contacts |
| Mounting mode | I-Line |
| Electrical connection | I-Line connection line Lugs load |
| 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) |
| AWG gauge | AWG 14...AWG 2/0 aluminium/copper |
| Tightening torque | 31.86...38.94 Lbf.in (3.6...4.4 N.m) 0.00...0.01 in ² (2.5...6 mm ²) AWG 14...AWG 10) 44.25...54.87 lbf.in (5...6.2 N.m) 0.02...0.11 in ² (10...70 mm ²) AWG 8...AWG 2/0) |
| Phase connection | ABC |
| Power wire stripping length | 0.79 in (20 mm) |
| Color | Gray RAL 7016) |
| 9 mm pitches | 9 |

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|---------------------------|------------------------|
| Mounting height | 4.49 in (114 mm) |
| Height | 5.39 in (137 mm) |
| Width | 3.19 in (81 mm) |
| Maximum Depth | 3.50 in (89 mm) |
| Net Weight | 2.90 lb(US) (1.315 kg) |
| Quantity per set | Set of 1 |
| Continuous current rating | 80 % |

Environment

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|---------------------------------------|---|
| Quality labels | CE |
| Standards | NEMA AB1 UL 489 NMX J-266 CSA C22.2 No 5 GB 14048.2 EN/IEC 60947-5-1 EN/IEC 60947-2 |
| 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 | < 6561.68 ft (2000 m) without derating 5000 m with derating |

Ordering and shipping details

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|-----------------------|----------------------------|
| Category | 01133 - BDA I-LINE BREAKER |
| Discount Schedule | DE2 |
| GTIN | 03606481152367 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 3.79 lb(US) (1.72 kg) |
| Returnability | Yes |
| Country of origin | MX |

Packing Units

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|------------------|----------------------|
| Package 1 Height | 5.00 in (12.700 cm) |
| Package 1 width | 8.50 in (21.590 cm) |
| Package 1 Length | 13.00 in (33.020 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 |
| REACH Regulation | REACH Declaration |
| 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 |