



Main

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

Complementary

| | |
|--|---|
| Line Rated Current | 125 A |
| Poles description | 3P |
| Protected poles description | 3t |
| Control type | Toggle |
| Breaking capacity code | D |
| Breaking capacity | 25 kA at 240 V AC 50/60 Hz according to UL 489 18 kA at 480 V AC 50/60 Hz according to UL 489 14 kA at 600 V AC 50/60 Hz according to UL 489 14 kA at 600Y/347 V AC 50/60 Hz according to UL 489 20 kA at 250 V DC 50/60 Hz according to UL 489 10 kA at 125 V DC 50/60 Hz according to UL 489 10 kA at 250 V DC 50/60 Hz according to UL 489 Icu: 18 kA at 480/277 V AC 50/60 Hz according to IEC 60947-2 |
| System Voltage | 240 V AC 50/60 Hz according to IEC 60947-2 347 V AC 50/60 Hz according to UL 489 125 V DC 50/60 Hz according to UL 489 250 V DC 50/60 Hz according to UL 489 |
| [Ics] rated service breaking capacity | 25 kA: at 220...240 V AC 50/60 Hz according to IEC 60947-2 18 kA: at 380...415 V AC 50/60 Hz according to IEC 60947-2 18 kA: at 440 V AC 50/60 Hz according to IEC 60947-2 14 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 Clip-on 35 x 15 mm symmetrical DIN rail |
| Electrical connection | Everlink lug at line Everlink lug at load |
| AWG gauge | AWG 14...AWG 3/0 rigid or stranded (copper) AWG 6...AWG 2/0 fine stranded (copper) |
| Tightening torque | 44.25 lbf.in (5 N.m) 0...0.02 in ² (2.5...16 mm ²) (AWG 14...AWG 4) 79.65 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) 1 alarm switch SD (plug-in) |
| Wire stripping length | 0.79 in (20 mm) |
| Colour | Grey (RAL 7016) |

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|---------------------------|------------------------|
| 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 |
| Continuous current rating | 80 % |

Environment

| | |
|---------------------------------------|---|
| quality labels | CE |
| standards | EN/IEC 60947-2 EN/IEC 60947-5-1 GB 14048.2 NEMA AB1 UL 489 CSA C22.2 No 5 NMX J-266 |
| product certifications | UL CSA CCC EAC NOM 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 | With derating Without derating |

Offer Sustainability

| | |
|--|--|
| Green Premium product | Green Premium product |
| Compliant - since 1644 - Schneider Electric declaration of conformity | Compliant - since 1644 - Schneider Electric declaration of conformity |
| Reference not containing SVHC above the threshold | Reference not containing SVHC above the threshold |
| Available | Available |
| Need no specific recycling operations | Need no specific recycling operations |
| WARNING: This product can expose you to chemicals including: | WARNING: This product can expose you to chemicals including: |
| DINP, which is known to the State of California to cause cancer, and | 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. | DIDP, which is known to the State of California to cause Birth Defects or other reproductive harm. |
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