



Main

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| Range | PowerPact |
| Product name | PowerPact B |
| Device short name | BD 040 |
| Product or component type | Circuit breaker |
| Device application | Distribution |

Complementary


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|--|--|
| [In] rated current | 40 A |
| Poles description | 3P |
| Protected poles description | 3t |
| Control type | Toggle |
| Mounting mode | Clip-on (35 mm symmetrical DIN rail) By screws (plate) |
| Network type | AC |
| Network frequency | 50/60 Hz |
| Breaking capacity code | D |
| Breaking capacity | 25 KA at 240 V AC 50/60 Hz conforming to UL 489 18 KA at 480 V AC 50/60 Hz conforming to UL 489 Icu 25 kA at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 Icu 14 kA at 500...525 V AC 50/60 Hz conforming to IEC 60947-2 18 KA at 480Y/277 V AC 50/60 Hz conforming to UL 489 14 KA at 600Y/347 V AC 50/60 Hz conforming to UL 489 25 KA at 208Y/120 V AC 50/60 Hz conforming to UL 489 Icu 18 kA at 380...415 V AC 50/60 Hz conforming to IEC 60947-2 Icu 18 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] rated service breaking capacity | 25 KA at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 14 KA at 500...525 V AC 50/60 Hz conforming to 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 | IEC 60947-2 8 kV |
| [Ui] rated insulation voltage | 800 V conforming to IEC 60947-2 |
| Trip unit technology | Thermal-magnetic |
| Trip unit name | TM-D |
| Trip unit protection functions | LI |
| Protection type | Overload protection (thermal) Short-circuit protection (magnetic) |
| Trip unit rating | 40 A at 40 °C |
| Magnetic hold current | 400 A |

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|---------------------------|--|
| Magnetic tripping current | 600 A |
| 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 for In at 440 V |
| Connection pitch | 27 Mm |
| Local signalling | Flag (green)presence of auxiliary contacts: |
| Rotary handle padlocking | Padlock in OFF or ON position |
| Connections - terminals | Upside compression lug/busbar Downside compression lug/busbar |
| Thread type | M6 |
| Thickness | 6.5 Mm |
| Tightening torque | 5 N.M for 2.5...16 mm ² (AWG 14...AWG 4) 9 N.M for 25...95 mm ² (AWG 3...AWG 3/0) |
| 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) |
| Wire stripping length | 20 Mm |
| Quality labels | CE |
| Standards | NMX J-266 GB 14048.2 EN/IEC 60947-2 UL 489 EN/IEC 60947-5-1 CSA C22.2 No 5 NEMA AB1 |
| Colour | 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 |

Environment

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|---------------------------------------|---|
| Product certifications | UL IEC CCC EAC CSA 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 | -25...70 °C |
| Ambient air temperature for storage | -50...85 °C |
| Operating altitude | 2000 m without derating 5000 m with derating |

Offer Sustainability

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|----------------------------|---|
| Sustainable offer status | Green Premium product |
| 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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| 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 |

Product Life Status : **Commercialised**