

Product data sheet

Characteristics

BDF46070

Circuit breaker, PowerPact B, 70A, 4 pole, 14 kA, 600Y/347 VAC, UL, terminal nuts



Main

| | |
|---------------------------|-----------------|
| Range | PowerPact |
| Product name | PowerPact B |
| Device short name | BD 070 |
| Product or component type | Circuit breaker |
| Device application | Distribution |

Complementary

| | |
|--|---|
| [In] rated current | 70 A |
| Number of Poles | 4P |
| Protected poles description | 4t |
| Control type | Toggle |
| Breaking capacity code | D |
| Breaking capacity | 25 KA at 208Y/120 V AC 50/60 Hz conforming to UL 489 18 KA at 240 V AC 50/60 Hz conforming to UL 489 Icu 25 kA at 480/277 V AC 50/60 Hz conforming to UL 489 Icu 14 kA at 480 V AC 50/60 Hz conforming to UL 489 18 KA at 600Y/347 V AC 50/60 Hz conforming to UL 489 14 KA at 250 V DC conforming to UL 489 25 KA Icu 18 kA |
| [Ue] rated operational voltage | 525 V AC 50/60 Hz conforming to UL 489 |
| [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 |
| Trip unit technology | Thermal-magnetic |
| 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 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 | 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) |

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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 | 12 |
| Height | 137 mm |
| Width | 108 mm |
| Depth | 80 mm |
| Net weight | 1.241 kg |
| Quantity per set | Set of 1 |

Environment

| | |
|---------------------------------------|---|
| Quality labels | CE |
| Standards | EN/IEC 60947-5-1 CSA C22.2 No 5 NEMA AB1 GB 14048.2 NMX J-266 EN/IEC 60947-2 UL 489 |
| 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 |

Packing Units

| | |
|------------------|-----------|
| Package 1 Weight | 1.814 kg |
| Package 1 Height | 11.430 cm |
| Package 1 width | 12.700 cm |
| Package 1 Length | 20.320 cm |

Offer Sustainability

| | |
|-----------------------------|---|
| 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 |
| 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 |