

# BDF46060

Circuit breaker, PowerPacT B, 60A, 4 pole, 600Y/347VAC, 14kA, terminal nut, thermal magnetic, 80%



## Main

|                           |                 |
|---------------------------|-----------------|
| Range                     | PowerPacT       |
| Product name              | PowerPacT B     |
| Device short name         | BD 060          |
| Product or Component Type | Circuit breaker |
| Device Application        | Distribution    |

## Complementary

|  |   |
|--|---|
| Line Rated Current                     | 60 A  |
| Number of Poles                        | 4P  |
| Protected poles description            | 4t  |
| Control Type                           | Toggle  |
| Breaking capacity code                 | D   |
| Breaking capacity                      | 25 KA 208Y/120 V AC 50/60 Hz UL 489<br>18 KA 240 V AC 50/60 Hz UL 489<br>Icu 25 kA 480/277 V AC 50/60 Hz UL 489<br>Icu 14 kA 480 V AC 50/60 Hz UL 489<br>18 KA 600Y/347 V AC 50/60 Hz UL 489<br>14 KA 250 V DC UL 489<br>25 KA<br>Icu 18 kA |
| [Ue] rated operational voltage         | 525 V AC 50/60 Hz UL 489  |
| Network Frequency                      | 50/60 Hz  |
| [Ics] rated service breaking capacity  | 25 KA 220...240 V AC 50/60 Hz IEC 60947-2<br>14 KA 500...525 V AC 50/60 Hz IEC 60947-2<br>18 KA 380...415 V AC 50/60 Hz IEC 60947-2<br>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-magneticTM-D,   |
| Continuous current rating              | 80 %  |
| [Ui] rated insulation voltage          | 800 V IEC 60947-2   |
| Trip unit name                         | TM-D  |
| Suitability for isolation              | Yes 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<br>AWG 6...AWG 3/0 aluminium/copper   |
| Local signalling                       | Presence of auxiliary contacts flag green)  |
| Mounting mode                          | Clip-on 35 mm symmetrical DIN rail)<br>By screws plate)   |
| Electrical connection                  | Terminal nut, ON and OFF end  |

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|                             |  |
|-----------------------------|--|
| Tightening torque           | 44.25 Lbf.in (5 N.m) 0.00...0.02 in <sup>2</sup> (2.5...16 mm <sup>2</sup> ) (AWG 14...AWG 4)<br>79.66 lbf.in (9 N.m) 0.04...0.15 in <sup>2</sup> (25...95 mm <sup>2</sup> ) (AWG 3...AWG 3/0) |
| Number of slots             | 1 auxiliary switch OF plug-in<br>1 voltage release MN or MX plug-in<br>1 alarm switch SD plug-in   |
| Power wire stripping length | 0.79 in (20 mm)  |
| Color                       | Gray RAL 7016)   |
| 9 mm pitches                | 12   |
| Height                      | 5.39 in (137 mm)   |
| Width                       | 4.25 in (108 mm)   |
| Depth                       | 3.15 in (80 mm)  |
| Net Weight                  | 2.74 lb(US) (1.241 kg)   |
| Quantity per Set            | Set of 1   |
| Circuit breaker application | HACR rated   |

## Environment

|                                       |   |
|---------------------------------------|---|
| Quality labels                        | CE  |
| Standards                             | GB 14048.2<br>UL 489<br>EN/IEC 60947-2<br>NMX J-266<br>NEMA AB1<br>EN/IEC 60947-5-1<br>CSA C22.2 No 5 |
| Product certifications                | UL[RETURN]IEC[RETURN]CCC[RETURN]EAC[RETURN]CSA[RETURN]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<br>5000 m with derating  |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US10DE201130  |
| Discount Schedule | ODE2          |
| GTIN              | 3606481150189 |
| Returnability     | Yes           |
| Country of origin | MX            |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Number of Units in Package 1 | 1                      |
| Package 1 Height             | 4.50 in (11.43 cm)     |
| Package 1 Width              | 5.00 in (12.7 cm)      |
| Package 1 Length             | 8.00 in (20.32 cm)     |
| Package 1 Weight             | 3.69 lb(US) (1.672 kg) |

## Offer Sustainability

|                            |  |
|----------------------------|--|
| Sustainable offer status   | Green Premium product  |
| California proposition 65  | WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov   |
| REACH Regulation           |  <a href="#">REACH Declaration</a>      |
| EU RoHS Directive          | Compliant with Exemptions  |
| Mercury free               | Yes  |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a> |
| RoHS exemption information |  Yes                                    |

|                             |  |
|-----------------------------|--|
| Environmental Disclosure    | <a href="#">Product Environmental Profile</a>  |
| 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. |
| PVC free                    | Yes  |
| Halogen content performance | Halogen free product   |