



Product availability: Non-Stock - Not normally stocked in distribution facility



## Main

|                           |                 |
|---------------------------|-----------------|
| Range                     | PowerPact       |
| Product name              | PowerPact B     |
| Device short name         | BJ 045          |
| Product or component type | Circuit breaker |
| Device application        | Distribution    |

## Complementary

|  |   |
|--|---|
| Line Rated Current                     | 45 A  |
| Number of Poles                        | 3P  |
| Control type                           | Toggle  |
| Breaking capacity code                 | J   |
| Breaking capacity                      | 100 KA 208Y/120 V AC 50/60 Hz UL 489<br>100 KA 240 V AC 50/60 Hz UL 489<br>65 KA 480/277 V AC 50/60 Hz UL 489<br>65 KA 480 V AC 50/60 Hz UL 489<br>25 KA 600Y/347 V AC 50/60 Hz UL 489<br>50 kA 250 V DC UL 489     |
| [Ue] rated operational voltage         | 690 V AC 50/60 Hz UL 489  |
| [Ics] rated service breaking capacity  | 100 KA 220...240 V AC 50/60 Hz IEC 60947-2<br>25 KA 500...525 V AC 50/60 Hz IEC 60947-2<br>2.5 KA 690 V AC 50/60 Hz IEC 60947-2<br>65 KA 380...415 V AC 50/60 Hz IEC 60947-2<br>65 kA 440 V AC 50/60 Hz 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 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                       | Presence of auxiliary contacts flag green)  |
| Mounting mode                          | Clip-on 35 x 15 mm symmetrical DIN rail)<br>By screws plate)  |
| Electrical connection                  | Everlink lug line<br>Terminal nut load  |
| AWG gauge                              | AWG 6...AWG 2/0 fine stranded aluminium/copper<br>AWG 14...AWG 3/0 rigid or stranded aluminium/copper   |
| 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                                  | 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)        |
| Net 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 60947-5-1<br>NMX J-266<br>EN/IEC 60947-2<br>NEMA AB1<br>UL 489<br>CSA C22.2 No 5<br>GB 14048.2 |
| Product certifications                | UL<br>IEC<br>CCC<br>EAC<br>CSA<br>NOM   |
| IP degree of protection               | Front cover IP40 IEC 60529  |
| IK degree of protection               | IK07 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            | 01132 - BJ/BK UNIT MOUNT BREAKER/SWITCH |
| Discount Schedule   | DE2                                     |
| Package weight(Lbs) | 1.32 kg (2.92 lb(US))                   |
| Returnability       | Yes                                     |
| Country of origin   | US                                      |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product                         |
| REACH Regulation           | <a href="#">REACH Declaration</a>             |
| EU RoHS Directive          | Compliant <a href="#">EU RoHS Declaration</a> |
| Mercury free               | Yes   |
| RoHS exemption information | <a href="#">Yes</a>                           |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>        |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a> |
| Circularity Profile        | No need of specific recycling operations      |