



## Main

|                           |                 |
|---------------------------|-----------------|
| Range                     | PowerPact       |
| Product name              | PowerPact B     |
| Device short name         | BJ 090          |
| Product or component type | Circuit breaker |
| Device application        | Distribution    |

## Complementary

|                                        |                                                                                                                                                                                |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Line Rated Current                     | 90 A                                                                                                                                                                           |
| Number of Poles                        | 1P                                                                                                                                                                             |
| Protected poles description            | 1t                                                                                                                                                                             |
| 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 480Y/277 V AC 50/60 Hz UL 489<br>25 kA 600Y/347 V AC 50/60 Hz UL 489<br>50 kA 125 V DC UL 489 |
| [Ue] rated operational voltage         | 240 V AC 50/60 Hz UL 489<br>AC<br>DC                                                                                                                                           |
| [Ics] rated service breaking capacity  | 65 kA 220...240 V AC 50/60 Hz IEC 60947-2                                                                                                                                      |
| [Uimp] rated impulse withstand voltage | 8 kV IEC 60947-2                                                                                                                                                               |
| Trip unit technology                   | Thermal-magnetic                                                                                                                                                               |
| Continuous current rating              | 80 %                                                                                                                                                                           |
| [Ui] rated insulation voltage          | 800 V 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 IEC 947-1 Annex F ed 5.2                                                                                                                                                          |
| Electrical durability       | 10000 cycles IEC 947-1 Annex K ed 5.2 In                                                                                                                                                       |
| Connection pitch            | 1.06 in (27 mm)                                                                                                                                                                                |
| AWG gauge                   | AWG 6...AWG 2/0 fine stranded aluminium/copper<br>AWG 14...AWG 3/0 rigid or stranded aluminium/copper                                                                                          |
| Mounting mode               | Clip-on 35 mm symmetrical DIN rail)<br>By screws plate)                                                                                                                                        |
| Electrical connection       | Everlink lug line<br>Everlink lug load                                                                                                                                                         |
| 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) |
| Power wire stripping length | 0.79 in (20 mm)                                                                                                                                                                                |
| Color                       | Grey (RAL 7016)                                                                                                                                                                                |
| 9 mm pitches                | 3                                                                                                                                                                                              |
| Height                      | 5.39 in (137 mm)                                                                                                                                                                               |
| Width                       | 1.06 in (27 mm)                                                                                                                                                                                |
| Depth                       | 3.15 in (80 mm)                                                                                                                                                                                |
| Net Weight                  | 1.12 lb(US) (0.51 kg)                                                                                                                                                                          |
| Quantity per set            | Set of 1                                                                                                                                                                                       |

## Environment

|                                       |                                                                                                       |
|---------------------------------------|-------------------------------------------------------------------------------------------------------|
| Quality labels                        | CE                                                                                                    |
| Standards                             | NMX J-266<br>EN/IEC 60947-5-1<br>UL 489<br>GB 14048.2<br>EN/IEC 60947-2<br>CSA C22.2 No 5<br>NEMA AB1 |
| 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 conforming to IEC 62262                                                                          |
| Pollution degree                      | 3 conforming 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                    | 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                                   |
| GTIN                  | 03606481193995                        |
| Nbr. of units in pkg. | 1                                     |
| Package weight(Lbs)   | 16.00 oz (453.592 g)                  |
| Returnability         | Yes                                   |
| Country of origin     | MX                                    |

## Packing Units

|                        |                     |
|------------------------|---------------------|
| Unit Type of Package 1 | PCE                 |
| Package 1 Height       | 1.40 in (3.556 cm)  |
| Package 1 width        | 4.70 in (11.938 cm) |
| Package 1 Length       | 7.50 in (19.05 cm)  |

## Offer Sustainability

|                             |                                                                                                                              |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status    | Green Premium product                                                                                                        |
| California proposition 65   | WARNING: Cancer and Reproductive Harm - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>                   |
| RECh Regulation             | <a href="#">RECh Declaration</a>                                                                                             |
| EU RoHS Directive           | Compliant<br><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><br>Product out of China RoHS scope. Substance declaration for your information.       |
| Environmental Disclosure    | <a href="#">Product Environmental Profile</a>                                                                                |
| 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                                                                                                         |