

BJA36045

Circuit breaker, PowerPacT B, 45A, 3 pole, 600Y/347VAC, 25kA, I-Line, thermal magnetic, 80%, ABC



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 489 100 KA 240 V AC 50/60 Hz UL 489 65 KA 480/277 V AC 50/60 Hz UL 489 65 KA 480 V AC 50/60 Hz UL 489 25 KA 600Y/347 V AC 50/60 Hz UL 489 50 kA 250 V DC UL 489 |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz UL 489 |
| Network Frequency | 50/60 Hz |
| [Ics] rated service breaking capacity | 100 KA 220...240 V AC 50/60 Hz IEC 60947-2 25 KA 500...525 V AC 50/60 Hz IEC 60947-2 2.5 KA 690 V AC 50/60 Hz IEC 60947-2 65 KA 380...415 V AC 50/60 Hz IEC 60947-2 65 kA 440 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 |
| 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) |
| AWG gauge | AWG 14...AWG 2/0 aluminium/copper |
| Local signalling | Presence of auxiliary contacts flag green) |
| Mounting mode | I-Line |
| Electrical connection | I-Line connection, line Lugs, load |
| Mounting height | 4.49 in (114 mm) |
| Tightening torque | 31.86...38.94 Lbf.in (3.6...4.4 N.m) 0.00...0.01 in ² (2.5...6 mm ²) (AWG 14...AWG 10) 44.25...54.87 Lbf.in (5...6.2 N.m) 0.02...0.11 in ² (10...70 mm ²) (AWG 8...AWG 2/0) |

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|-----------------------------|--|
| Number of slots | 1 auxiliary switch OF plug-in 1 voltage release MN or MX plug-in 1 alarm switch SD plug-in |
| Power wire stripping length | 0.79 in (20 mm) |
| Color | Gray RAL 7016) |
| 9 mm pitches | 9 |
| Height | 5.39 in (137 mm) |
| Width | 3.19 in (81 mm) |
| Depth | 3.50 in (89 mm) |
| Net Weight | 2.90 lb(US) (1.315 kg) |
| Quantity per Set | Set of 1 |
| Phase connection | ABC |
| Circuit breaker application | HACR rated |

Environment

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|---------------------------------------|---|
| Quality labels | CE |
| Standards | EN/IEC 60947-2 NEMA AB1 UL 489 GB 14048.2 CSA C22.2 No 5 EN/IEC 60947-5-1 NMX J-266 |
| 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 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 5000 m with derating |





Ordering and shipping details

| | |
|-------------------|------------------------------|
| Category | 01135-BJA/BKA I-LINE BREAKER |
| Discount Schedule | DE2 |
| GTIN | 3606481185853 |
| Returnability | Yes |
| Country of origin | MX |

Packing Units

| | |
|------------------------------|-----------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 4.88 in (12.4 cm) |
| Package 1 Width | 7.99 in (20.3 cm) |
| Package 1 Length | 12.72 in (32.3 cm) |
| Package 1 Weight | 4.12 lb(US) (1.87 kg) |

Offer Sustainability

| | |
|----------------------------|---|
| Sustainable offer status | Green Premium product |
| California proposition 65 | WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov |
| REACH Regulation |  REACH Declaration |
| EU RoHS Directive | Compliant with Exemptions |
| Mercury free | Yes |
| China RoHS Regulation |  China RoHS Declaration |
| RoHS exemption information |  Yes |
| Environmental Disclosure |  Product Environmental Profile |

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