# Product data sheet
## Characteristics

# EJB24050
## Mini circuit breaker, E-Frame, 50A, 2 pole, 480Y/277VAC, 100kA max, bolt on



### Main

| | |
|---|---|
| Range of Product | 125 A Frame EDB-EGB-EJB |
| Product or Component Type | Miniature circuit-breaker |
| Device short name | EJB |
| Module type | E-Frame |
| Trip unit rating | 1800 A |

### Complementary

| | |
|---|---|
| Line Rated Current | 50 A |
| Maximum operating voltage | 480Y/277 V AC |
| AWG gauge | AWG 12...AWG 2/0 aluminium<br>AWG 14...AWG 2/0 copper |
| Breaking capacity | 65 KA 277 V AC<br>100 KA 240 V AC<br>65 KA 480Y/277 V AC<br>100 KA 120 V AC<br>100 kA 120/240 V AC |
| Circuit breaker application | HACR rated<br>HID rated |
| Electrical connection | Lugs aluminium |
| Holding Current | 630 A |
| Local signalling | Trip indicator |
| Mounting Mode | Bolt-on |
| Number of poles | 2 |
| Number of spaces | 2 |
| Number of spaces required | 2 |
| Product destination | NF panelboard |
| Protection Type | Short-circuit<br>Overload |
| Trip unit technology | Thermal-magnetic |
| Breaking capacity code | J |
| Tightening torque | 34.5 Lbf.In (3.9 N.m) 0.004…0.009 in² (2.5…6 mm²) (AWG 14...AWG 10)<br>49.6 lbf.in (5.6 N.m) 0.02…0.1 in² (10…70 mm²) (AWG 8...AWG 2/0) |
| Height | 5.66 in (143.76 mm) |
| Width | 1.96 in (49.78 mm) |
| Depth | 4.05 in (102.87 mm) |
| Net Weight | 3 lb(US) (1.4 kg) |

### Environment

| | |
|---|---|
| Product Certifications | cULus |
| Ambient Air Temperature for Operation | 104 °F (40 °C) |

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This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
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## Ordering and shipping details

| | |
|---|---|
| Category | US10DE200937 |
| Discount Schedule | 0DE2 |
| GTIN | 785901128809 |
| Returnability | Yes |
| Country of origin | US |

## Packing Units

| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 3.700 in (9.398 cm) |
| Package 1 Width | 6.0000000000 in (15.24 cm) |
| Package 1 Length | 9.800 in (24.892 cm) |
| Package 1 Weight | 2.47 lb(US) (1.12 kg) |

## Offer Sustainability

| | |
|---|---|
| REACh Regulation | REACh Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| Mercury free | Yes |
| China RoHS Regulation | China RoHS Declaration |
| RoHS exemption information | Yes |

## Contractual warranty

| | |
|---|---|
| Warranty | 18 months |