

# EJB24050

Mini circuit breaker, E-Frame, 50A, 2 pole,  
480Y/277 VAC, 100 kA 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           | 34.52 Lbf.in (3.9 N.m) 0.00...0.01 in <sup>2</sup> (2.5...6 mm <sup>2</sup> ) (AWG 14...AWG 10)<br>49.56 lbf.in (5.6 N.m) 0.02...0.11 in <sup>2</sup> (10...70 mm <sup>2</sup> ) (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) (1.36 kg)                                                                                                                                                                                 |

## Environment

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

## 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             | 3.70 in (9.398 cm)    |
| Package 1 Width              | 6.00 in (15.24 cm)    |
| Package 1 Length             | 9.80 in (24.892 cm)   |
| Package 1 Weight             | 2.47 lb(US) (1.12 kg) |

## Offer Sustainability

|                            |                                                                                                                          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------|
| REACH Regulation           |  <a href="#">REACH Declaration</a>      |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)                                                               |
| Mercury free               | Yes                                                                                                                      |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a> |
| RoHS exemption information |  <a href="#">Yes</a>                    |

## Contractual warranty

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