

# Product data sheet

## Characteristics

# EDB36045

Mini circuit breaker, E-Frame, 45A, 3 pole,  
600Y/347 VAC, 25 kA max, bolt on



## Main

|                           |                         |
|---------------------------|-------------------------|
| Range of product          | 125 A Frame EDB-EGB-EJB |
| Product or component type | Circuit-breaker         |
| Device short name         | EDB                     |
| Module type               | E-Frame                 |
| Trip unit rating          | 1800 A                  |

## Complementary

|                             |                                                                                                                                                                                                    |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Line Rated Current          | 45 A                                                                                                                                                                                               |
| Maximum operating voltage   | 600Y/347 V AC                                                                                                                                                                                      |
| AWG gauge                   | AWG 12...AWG 2/0 aluminium<br>AWG 14...AWG 2/0 copper                                                                                                                                              |
| Breaking capacity           | 14 kA 600Y/347 V AC                                                                                                                                                                                |
| Circuit breaker application | HACR rated                                                                                                                                                                                         |
| Electrical connection       | Lugs aluminium                                                                                                                                                                                     |
| Holding current             | 630 A                                                                                                                                                                                              |
| Local signalling            | Trip indicator                                                                                                                                                                                     |
| Mounting mode               | Bolt-on                                                                                                                                                                                            |
| Number of poles             | 3                                                                                                                                                                                                  |
| Number of spaces            | 3                                                                                                                                                                                                  |
| Number of spaces required   | 3                                                                                                                                                                                                  |
| Product destination         | NF panelboard                                                                                                                                                                                      |
| Protection type             | Short-circuit<br>Overload                                                                                                                                                                          |
| Trip unit technology        | Thermal-magnetic                                                                                                                                                                                   |
| Breaking capacity code      | D                                                                                                                                                                                                  |
| 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                       | 2.94 in (74.68 mm)                                                                                                                                                                                 |
| Depth                       | 4.05 in (102.87 mm)                                                                                                                                                                                |
| Net Weight                  | 4 lb(US) (1.81 kg)                                                                                                                                                                                 |

## Environment

|                                       |                |
|---------------------------------------|----------------|
| Product certifications                | CULus          |
| Ambient air temperature for operation | 104 °F (40 °C) |

## Ordering and shipping details

|                       |                              |
|-----------------------|------------------------------|
| Category              | 00931 - EDB CIRCUIT BREAKERS |
| Discount Schedule     | DE2                          |
| GTIN                  | 00785901406747               |
| Nbr. of units in pkg. | 1                            |
| Package weight(Lbs)   | 3.46 lb(US) (1.57 kg)        |
| Returnability         | Yes                          |
| Country of origin     | MX                           |

## Packing Units

|                  |                      |
|------------------|----------------------|
| Package 1 Height | 5.00 in (12.700 cm)  |
| Package 1 width  | 6.00 in (15.240 cm)  |
| Package 1 Length | 10.00 in (25.400 cm) |

## Offer Sustainability

|                            |                                               |
|----------------------------|-----------------------------------------------|
| Sustainable offer status   | Green Premium product                         |
| 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> |

## Contractual warranty

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