

# Product data sheet

Specifications



Mini circuit breaker, E-Frame, 50A, 3 pole, 480Y/277 VAC, 25 kA max, bolt on

EDB34050

## Main

Range Of Product	125 A Frame EDB-EGB-EJB
Product Or Component Type	Miniature circuit-breaker
Device Short Name	EDB
Module Type	E-Frame
Trip Unit Rating	1800 A

## Complementary

[In] Rated Current	50 A
Maximum Operating Voltage	480Y/277 V AC
Awg Gauge	AWG 12...AWG 2/0 aluminum AWG 14...AWG 2/0 copper
Breaking Capacity	18 kA 277 V AC 25 kA 240 V AC 18 kA 480Y/277 V AC 25 kA 120 V AC 25 kA 120/240 V AC
Circuit Breaker Application	HACR rated HID rated
Electrical Connection	Lugs aluminum
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 Overload
Trip Unit Technology	Thermal-magnetic
Breaking Capacity Code	D
Tightening Torque	34.52 lbf.in (3.9 N.m) 0.00...0.01 in² (2.5...6 mm²) AWG 14...AWG 10) 49.56 lbf.in (5.6 N.m) 0.02...0.11 in² (10...70 mm²) 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)

Disclaimer: 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

Net Weight	4 lb(US) (1.81 kg)
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## Environment

Product Certifications	cULus
Ambient Air Temperature For Operation	104 °F (40 °C)

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	4.80 in (12.2 cm)
Package 1 Width	6.42 in (16.3 cm)
Package 1 Length	9.88 in (25.1 cm)
Package 1 Weight	3.53 lb(US) (1.6 kg)

## Sustainability

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**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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[Guide to assess a product's sustainability >](#)

## Well-being performance



Mercury Free



Rohs Exemption Information

Yes

Eu Rohs Directive

Pro-active compliance (Product out of EU RoHS legal scope)

China Rohs Regulation

[China RoHS declaration](#)

Product out of China RoHS scope. Substance declaration for your information