Product data sheet

Specifications



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

EDB34050

Product availability: Stock - Normally stocked in distribution facility

Main

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

Complementary

Rated Current	50 A
Maximum Operating Voltage	480Y/277 V AC
AWG Gauge	AWG 12...AWG 2/0 aluminium 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 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
Protect Type	Short-circuit Overload
Trip Unit Technology	Thermal-magnetic
Breaking Capacity Code	D
Tightening Torque	34.5 lbf.in (3.9 N.m) 0.004…0.009 in² (2.5…6 mm²) (AWG 14...AWG 10) 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	2.94 in (74.68 mm)
Depth	4.05 in (102.87 mm)

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Product Weight	4 lb(US) (1.8 kg)

Environment

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

Ordering and shipping details

Category	US10DE200931
Discount Schedule	0DE2
GTIN	785901875314
Returnability	Yes
Country of origin	MX

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	4.8 in (12.2 cm)
Package 1 Width	6.4 in (16.3 cm)
Package 1 Length	9.9 in (25.1 cm)
Package weight(Lbs)	3.5 lb(US) (1.6 kg)

Compliance

Compliance	TAA Compliant

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Total lifecycle Carbon footprint	**16 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**11 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.5 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0.6 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**1 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**2 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
SCIP Number	**8781af64-acd9-485c-9a86-abcdfbd458e3**
EU RoHS Directive	**Compliant By Exemption**
REACh Regulation	**Reference contains Substances of Very High Concern above the threshold**
California proposition 65	**WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

Use Longer

Lifetime extension

Repair	**No**

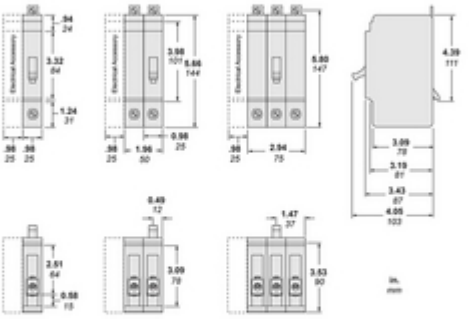
Use Again

Repack and remanufacture

Recyclability potential, in %	**30**
Circularity Profile	**No need of specific recycling operations**
Take-back	**No**

Technical Illustration

Dimensions



All dimensions are approximate.
Also see technical drawings and/or documentation.