

# Product data sheet

Specifications

SQUARE D



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

EDB24050SA

Product availability: Non-Stock - Not 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	2
Number of Spaces	2
Number of Spaces Required	2
Product Destination	NF panelboard
Protect Type	Overload Short-circuit
Device Composition	Shunt trip
Trip Unit Technology	Thermal-magnetic
Breaking Capacity Code	D
Tightening Torque	34.5 lbf.in (3.9 N.m) 0.004...0.009 in <sup>2</sup> (2.5...6 mm <sup>2</sup> ) (AWG 14...AWG 10) 49.6 lbf.in (5.6 N.m) 0.02...0.1 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)

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

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Depth	4.05 in (102.87 mm)
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Product Weight	3 lb(US) (1.4 kg)
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## Environment

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Product Certifications	cULus
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Ambient Air Temperature for Operation	104 °F (40 °C)
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## Ordering and shipping details

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Category	US10DE200931
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Discount Schedule	0DE2
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GTIN	785901545828
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Returnability	No
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Country of origin	MX
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## Packing Units

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Unit Type of Package 1	PCE
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Nbr. of units in pkg.	1
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Package 1 Height	4.80 in (12.192 cm)
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Package 1 Width	6.20 in (15.748 cm)
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Package 1 Length	9.90 in (25.146 cm)
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Package weight(Lbs)	3.17 lb(US) (1.44 kg)
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## Compliance

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Compliance	TAA
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## Contractual warranty

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Warranty	18 months
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## 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

[Environmental Disclosure](#)

[Product Environmental Profile](#)

## Use Better

### Materials and Substances

Packaging made with recycled cardboard

Yes

Packaging without single use plastic

Yes

EU RoHS Directive

Not applicable, out of EU RoHS legal scope

SCIP Number

8781af64-acd9-485c-9a86-abcdfbd458e3

REACH Regulation

[REACH Declaration](#)

## Use Again

### Repack and remanufacture

Circularity Profile

[End of Life Information](#)

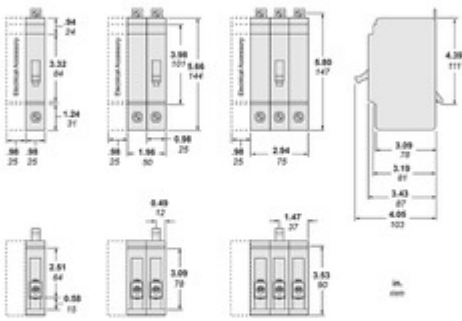
Take-back

No

Technical Illustration

Dimensions

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

Technical Illustration

Wiring diagram

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