Product data sheet

Specifications

Mini circuit breaker, E-Frame, 50A, 1 pole, 277VAC, 25kA max, bolt on, 30mA ground fault protection [TAA]

EDB14050EPD

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
Earth-leakage Protection Class	Class B
Module Type	E-Frame
Trip Unit Rating	1800 A

Complementary

Rated Current	50 A
Maximum Operating Voltage	277 V AC
AWG Gauge	AWG 14...AWG 6 copper AWG 12...AWG 4 aluminium
Breaking Capacity	18 kA 277 V AC 18 kA 240 V AC 25 kA 120 V AC 18 kA 120/240 V AC
Circuit Breaker Application	HID rated HACR rated
Earth-leakage Sensitivity	30 mA
Electrical Connection	Lugs aluminium
Holding Current	630 A
Local Signalling	Trip indicator
Mounting Mode	Bolt-on
Number of Poles	1
Number of Spaces	2
Number of Spaces Required	2
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	6.64 in (168.66 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

Width	1.96 in (49.78 mm)
Depth	4.05 in (102.87 mm)
Product Weight	2 lb(US) (0.9 kg)

Environment

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

Ordering and shipping details

Category	US10DE200946
Discount Schedule	0DE2
GTIN	785901583622
Returnability	No
Country of origin	MX

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.50 in (6.35 cm)
Package 1 Width	7.200 in (18.288 cm)
Package 1 Length	5.50 in (13.97 cm)
Package weight(Lbs)	33.599 oz (952.544 g)

Compliance

Compliance	TAA

Contractual warranty

Warranty (in months)	18
Warranty	18 months

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

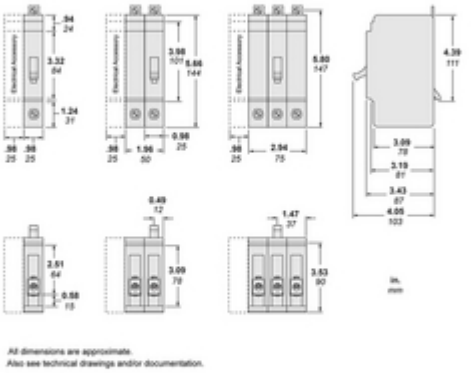
Use Again

Repack and remanufacture

Circularity Profile	End of Life Information
Take-back	No

Technical Illustration

Dimensions



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