

Product data sheet

Specifications

SQUARE D



Mini circuit breaker, E-Frame, 50A,
2 pole, 480Y/277VAC, 65kA max,
bolt on

EGB24050

Main

Range Of Product	125 A Frame EDB-EGB-EJB
Product Or Component Type	Miniature circuit-breaker
Device Short Name	EGB
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	35 kA 277 V AC 65 kA 240 V AC 35 kA 480Y/277 V AC 65 kA 120 V AC 65 kA 120/240 V AC
Circuit Breaker Application	HID rated HACR rated
Electrical Connection	Lugs aluminum
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
Protection Type	Short-circuit Overload
Trip Unit Technology	Thermal-magnetic
Breaking Capacity Code	G
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	1.96 in (49.78 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	3 lb(US) (1.36 kg)
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Environment

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

Unit Type Of Package 1	PCE
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Number Of Units In Package 1	1
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Package 1 Height	3.50 in (8.89 cm)
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Package 1 Width	6.50 in (16.51 cm)
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Package 1 Length	10.00 in (25.4 cm)
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Package 1 Weight	2.48 lb(US) (1.125 kg)
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Sustainability

Green Premium™ label is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

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

[Learn more about Green Premium >](#)

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

Well-being performance

 Mercury Free	
 Rohs Exemption Information	Yes
Reach Regulation	REACH Declaration
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