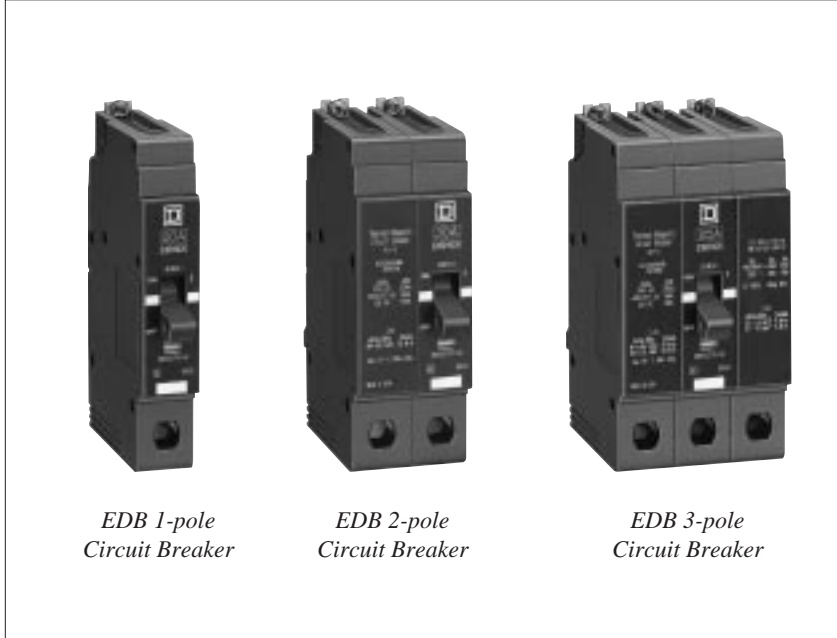


Class 0515

480Y/277 Vac EDB, EGB and EJB Lighting Panelboard Circuit Breakers



EDB, EGB and EJB 125A Frame Lighting Panelboard Circuit Breakers

- 1-, 2- and 3-pole bolt-on construction for use in Square D NF panelboards
- Current ratings: 15–125A
- 480Y/277 Vac
- Optional factory-installed electrical accessories include; 120 Vac shunt trip, 1A/1B auxiliary switch and normally open alarm switch
- Optional handle padlock attachment
- Optional copper and compression lugs
- VISI-TRIP® feature
- HACR rated (15–125A, 1-, 2-, and 3-pole)
- Tested to UL 489 bus condition test
- UL Listed — file #E84967
- CSA Certified — file #LR92886
- NOM 117 Certified
- In compliance with Federal Specification W-C-375B/GEN

Ampere Interrupting Ratings

Interrupting Rating Level	@ 240V	@ 480Y/277V
D	25kA	18kA
G	65kA	35kA
J	100kA	65kA

Interrupting Rating Level	Ampere Rating	Catalog Number			Standard Al Lug Wire Range
		1-pole 277 Vac	2-pole◆ 480Y/277 Vac	3-pole 480Y/277 Vac	
D	15	EDB14015▲●	EDB24015▲	EDB34015▲	#12 – #6 AWG Al or #14 – #6 AWG Cu
	20	EDB14020▲●	EDB24020▲	EDB34020▲	
	25	EDB14025▲	EDB24025▲	EDB34025▲	
	30	EDB14030▲	EDB24030▲	EDB34030▲	
	35	EDB14035	EDB24035	EDB34035	#12 – #2/0 AWG Al or #14 – #2/0 AWG Cu
	40	EDB14040	EDB24040	EDB34040	
	45	EDB14045	EDB24045	EDB34045	
	50	EDB14050	EDB24050	EDB34050	
	60	EDB14060	EDB24060	EDB34060	
	70	EDB14070	EDB24070	EDB34070	
	80	—	EDB24080	EDB34080	
	90	—	EDB24090	EDB34090	
	100	—	EDB24100	EDB34100	
	110	—	EDB24110	EDB34110	
	125	—	EDB24125	EDB34125	

▲ UL Listed as HID (High Intensity Discharge) rated
 ● UL Listed as SWD (Switching Duty) rated
 ◆ UL Listed for use on 240 V corner-grounded delta systems (grounded B phase)

Continued on next page



Square D circuit breakers are manufactured in a facility that is Quality Systems Registered by Underwriters Laboratories to ISO 9001.



SQUARE D
GROUPE SCHNEIDER

Class 0515

480Y/277 Vac EDB, EGB and EJB

Lighting Panelboard Circuit Breakers

Continued

Interrupting Rating Level	Ampere Rating	Catalog Number			Standard Al Lug Wire Range
		1-pole 277 Vac	2-pole◆ 480Y/277 Vac	3-pole 480Y/277 Vac	
G	15	EGB14015▲●	EGB24015▲	EGB34015▲	#12 – #6 AWG Al or #14 – #6 AWG Cu
	20	EGB14020▲●	EGB24020▲	EGB34020▲	
	25	EGB14025▲	EGB24025▲	EGB34025▲	
	30	EGB14030▲	EGB24030▲	EGB34030▲	
	35	EGB14035	EGB24035	EGB34035	#12 – #2/0 AWG Al or #14 – #2/0 AWG Cu
	40	EGB14040	EGB24040	EGB34040	
	45	EGB14045	EGB24045	EGB34045	
	50	EGB14050	EGB24050	EGB34050	
	60	EGB14060	EGB24060	EGB34060	
	70	EGB14070	EGB24070	EGB34070	
	80	—	EGB24080	EGB34080	
	90	—	EGB24090	EGB34090	
	100	—	EGB24100	EGB34100	
	110	—	EGB24110	EGB34110	
125	—	EGB24125	EGB34125		
J	15	EJB14015▲●	EJB24015▲	EJB34015▲	#12 – #6 AWG Al or #14 – #6 AWG Cu
	20	EJB14020▲●	EJB24020▲	EJB34020▲	
	25	EJB14025▲	EJB24025▲	EJB34025▲	
	30	EJB14030▲	EJB24030▲	EJB34030▲	
	35	EJB14035	EJB24035	EJB34035	#12 – #2/0 AWG Al or #14 – #2/0 AWG Cu
	40	EJB14040	EJB24040	EJB34040	
	45	EJB14045	EJB24045	EJB34045	
	50	EJB14050	EJB24050	EJB34050	
	60	EJB14060	EJB24060	EJB34060	
	70	EJB14070	EJB24070	EJB34070	

- ▲ UL Listed as HID (High Intensity Discharge) rated
- UL Listed as SWD (Switching Duty) rated
- ◆ UL Listed for use on 240 V corner-grounded delta systems (grounded B phase)

Class 0515

480Y/277 Vac EDB, EGB and EJB Lighting Panelboard Circuit Breakers

TO SELECT A CIRCUIT BREAKER

1. Select a catalog number from the preceding table
2. For special applications, modify the catalog number as follows:

E D B 3 4 0 7 0 _ _ _ _ _

Factory Installed Options [▲]	
Option	Meaning
AABA	1A1B Aux. Switch, Normally-open Alarm Switch Package
AABASA	1A1B Aux. Switch, Normally-open Alarm Switch, 120 Vac Shunt Trip Package
SA	120 Vac Shunt Trip Package
CA	Special Ambient Temperature: 50°C (Not UL, CSA or NOM Certified)
LC	Copper Lugs
LH	High Ampere Standard Lugs

EXAMPLE:
To order a 3-Pole 480Y/277 Vac, 70 Ampere, "D" interrupting rating level circuit breaker with factory-installed copper lugs and an auxiliary switch and alarm switch package:

Order EDB34070AABALC

[▲] Factory installed options must be listed in the catalog number in the sequence shown above.

Mechanical Lug Kit Information

Kit Catalog Number	Circuit Breaker Application			Number of Wires Per Lug and Wire Range	Torque	Lugs Per Kit
	Standard Ampere Rating	Optional Ampere Rating				
Al Lugs for Use with Al or Cu Wire						
AL30FD	EDB, EGB, EJB	15 – 30	–	(1) #12 – #6 AWG Al or (1) #14 – #6 AWG Cu	30 lb-in (3.4 N•m)	3
AL100FD	EDB, EGB, EJB	35 – 125	EDB, EGB, EJB	15 – 30 (1) #12 – #2/0 AWG Al or (1) #14 – #2/0 AWG Cu	35 lb-in (4.0 N•m) #14 – #10 50 lb-in (5.5 N•m) #8 – #2/0	3
Cu Lugs for Use with Cu Wire Only						
CU100FD	EDB, EGB, EJB	15 – 125	–	(1) #14 – #1/0 AWG Cu	35 lb-in (4.0 N•m) #14 – #10 40 lb-in (4.5 N•m) #8 45 lb-in (5.1 N•m) #6 – #4 50 lb-in (5.7 N•m) #3 – #1/0	3

Compression Lug Kit Information [■]

Circuit Breaker Type	VERSAtile™ System Range	Dimension A		VERSA-CRIMP™ Tool Type	Max. Lugs Per Terminal	Kit Catalog Number	Lugs Per Kit
		in.	mm				
Aluminum Compression Lug Kits							
EDB, EGB, EJB	#8 – #1/0 AWG	1.375	35	VC-6 Series	1	VC100FD	3
Copper Compression Lug Kits							
EDB, EGB, EJB	#6 – #1/0 AWG Cu	1.375	35	VC-6 Series	1	CVC100FD	3

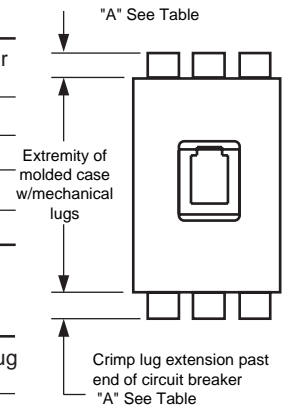
[■] Terminal insert kit, TIKFD, is required for application of compression lugs.

Handle Accessories

Circuit Breaker Type	Catalog Number
Handle Padlock Attachment (locks ON or OFF)	
EDB, EGB, EJB	HPAFD

Terminal Insert Kit

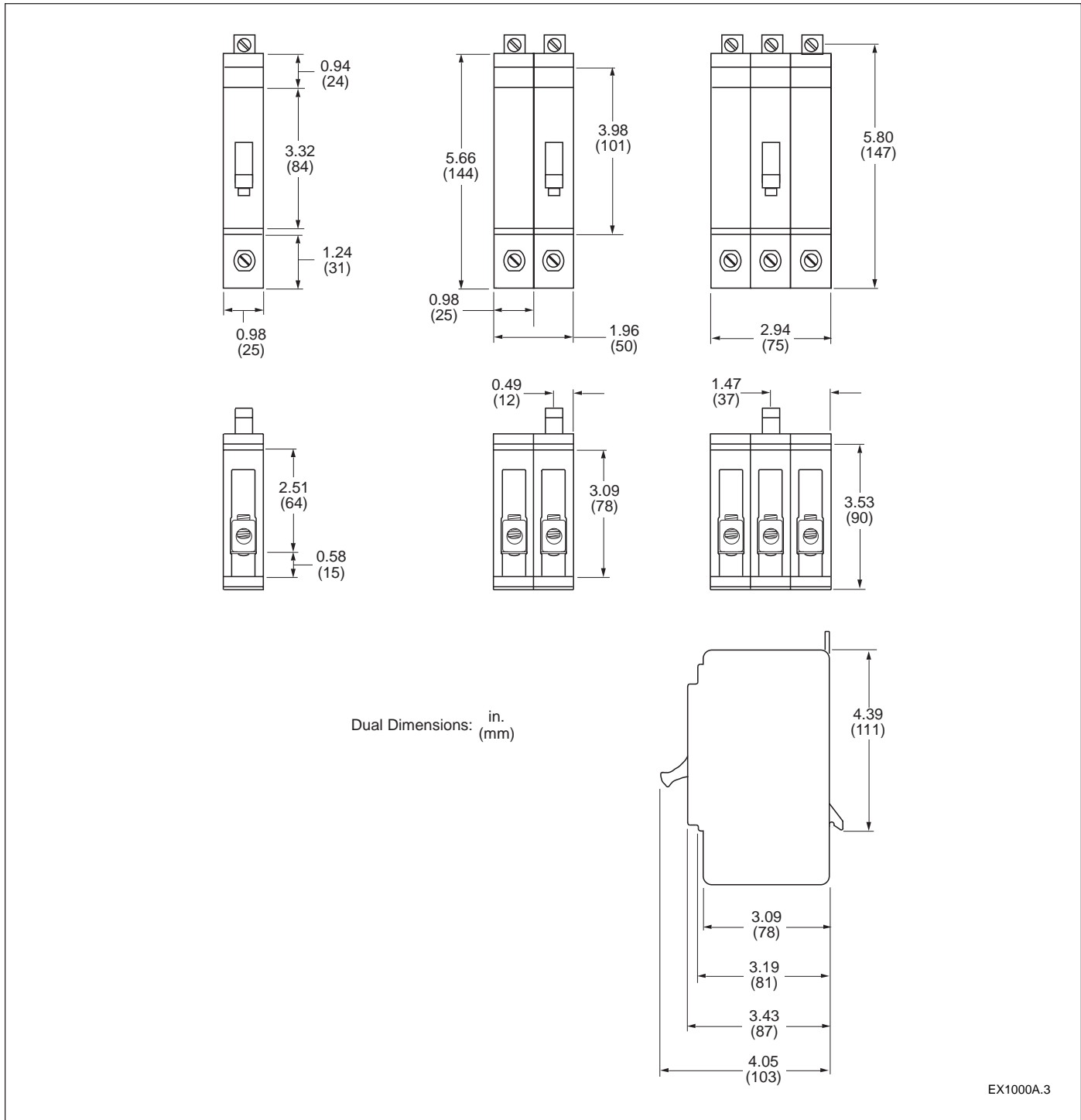
Circuit Breaker Type	Catalog Number	Inserts Per Lug
EDB, EGB, EJB	TIKFD	3




Class 0515

**480Y/277 Vac EDB, EGB and EJB
Lighting Panelboard Circuit Breakers**

EDB, EGB and EJB
Circuit Breaker Dimensions



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VERSA-CRIMP is a trademark of Hubbell Incorporated.

Order No. 0500HO9602R11/97

Square D Company
3700 Sixth Street SW
Cedar Rapids, IA 52406



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