

Table 9.56: E-frame—125 A, Thermal-magnetic (480Y/277 Vac)

Ampere Rating	ED, EG, EJ (480Y/277 Vac)		"D" Interrupting Level 18 kA @ 480Y/277 Vac		"G" Interrupting Level 35 kA @ 480Y/277 Vac		"J" Interrupting Level 65 kA @ 480Y/277 Vac		Terminal Wire Range	
	Hold	Trip	Catalog Number	\$ Price	Catalog Number	\$ Price	Catalog Number	\$ Price		
1-pole, 277 Vac										
15 A	270	875	EDB14015	150.	EGB14015	255.	EJB14015	408.	AL30FD #14-#6 Al or Cu	
20 A			EDB14020		EGB14020		EJB14020			
25 A			EDB14025		EGB14025		EJB14025			
30 A			EDB14030		EGB14030		EJB14030			
35 A	630	1800	EDB14035	150.	EGB14035	225.	EJB14035	408.	AL100FD #14-2/0 Al or Cu	
40 A			EDB14040		EGB14040		EJB14040			
45 A			EDB14045		EGB14045		EJB14045			
50 A			EDB14050		EGB14050		EJB14050			
60 A			EDB14060		EGB14060		EJB14060			
70 A			EDB14070		EGB14070		EJB14070			
2-pole, 480Y/277 Vac										
15 A	270	875	EDB24015	536.	EGB24015	776.	EJB24015	1241.	AL30FD #14-#6 Al or Cu	
20 A			EDB24020		EGB24020		EJB24020			
25 A			EDB24025		EGB24025		EJB24025			
30 A			EDB24030		EGB24030		EJB24030			
35 A	630	1800	EDB24035	536.	EGB24035	776.	EJB24035	1241.	AL100FD #14-2/0 Al or Cu	
40 A			EDB24040		EGB24040		EJB24040			
45 A			EDB24045		EGB24045		EJB24045			
50 A			EDB24050		EGB24050		EJB24050			
60 A			EDB24060		EGB24060		EJB24060			
70 A			EDB24070		EGB24070		EJB24070			
80 A	1000	2300	EDB24080	756.	EGB24080	1280.	EJB24080	2048.	AL100FD #14-2/0 Al or Cu	
90 A			EDB24090		EGB24090		EJB24090			
100 A			EDB24100		EGB24100		EJB24100			
110 A			EDB24110		EGB24110		EJB24110			
125 A	EDB24125	EGB24125	EJB24125							
3-pole, 480Y/277 Vac										
15 A	270	875	EDB34015	669.	EGB34015	1131.	EJB34015	1358.	AL30FD #14-#6 Al or Cu	
20 A			EDB34020		EGB34020		EJB34020			
25 A			EDB34025		EGB34025		EJB34025			
30 A			EDB34030		EGB34030		EJB34030			
35 A	630	1800	EDB34035	669.	EGB34035	1131.	EJB34035	1358.	AL100FD #14-2/0 Al or Cu	
40 A			EDB34040		EGB34040		EJB34040			
45 A			EDB34045		EGB34045		EJB34045			
50 A			EDB34050		EGB34050		EJB34050			
60 A			EDB34060		EGB34060		EJB34060			
70 A			EDB34070		EGB34070		EJB34070			
80 A	1000	2300	EDB34080	911.	EGB34080	1292.	EJB34080	2562.	AL100FD #14-2/0 Al or Cu	
90 A			EDB34090		EGB34090		EJB34090			
100 A			EDB34100		EGB34100		EJB34100			
110 A			EDB34110		EGB34110		EJB34110			
125 A	EDB34125	EGB34125	EJB34125							
EPDs (Equipment Protection Devices), 1-pole, 277 Vac, Thermal-magnetic with 30 mA ground-fault protection*										
15 A	270	875	EDB14015EPD	1151.	EGB14015EPD	1256.	EJB14015EPD	1409.	#14-#6 Cu or #12-#4 Al	
20 A			EDB14020EPD		EGB14020EPD		EJB14020EPD			
30 A			EDB14030EPD		EGB14030EPD		EJB14030EPD			
40 A			EDB14040EPD		EGB14040EPD		EJB14040EPD			
50 A	EDB14050EPD	EGB14050EPD	EJB14050EPD							

Note: All EDB, EGB, and EJB circuit breakers are UL Listed as HACR Type. For 50 °C calibration, use a CA suffix. NF branch circuit breakers are fungus proof as standard.

- ▲ UL Listed as SWD (Switching duty rated).
- UL Listed as HID (High Intensity Discharge rated).
- ◆ UL Listed for use on 240 V Corner-grounded Delta Systems (Grounded B Phase). See data bulletin 2700DB0202.
- ★ All EPDs occupy two spaces, with or without Alarm Switch option. For alarm switch, add 158 list Price and the suffix BA.



EDB-EPD
1-pole
with Alarm Switch



EDB, EGB, EJB
3-pole
15-125 A



EDB, EGB, EJB
1-pole
15-70 A



EDB, EGB, EJB
2-pole
15-125 A

Table 9.57: Factory installed Electrical Accessories

Auxiliary Switch (1A/1B)	Alarm Switch (NO)	Coil Burden Max. (VA)	Minimum Recommended Supply Transformer (VA)
Monitors circuit breaker contact status and provides a remote signal indicating the circuit breaker contacts are OPEN or CLOSED. Application Max Load = 10 A @ 120 Vac 50/60 Hz Terminals for #14 AWG Cu wire	Used with control circuits and is actuated only when the circuit breaker has tripped. Application Max Load = 7 A @ 120 Vac 50/60 Hz Terminals for #14 AWG Cu wire.	288	50
		Shunt Trip—Trips the circuit breaker from a remote location by means of a coil energized from a separate circuit. A 120 V shunt trip will operate at 55% or more of rated voltage. Application For use with momentary or maintained push button. 120 Vac 50/60 Hz Terminals for #14 AWG Cu wire.	

Table 9.58: Factory Installed Electrical Accessory Packages for ED, EG, EJ Circuit Breakers

Accessory Package	Suffix	\$ Price
Auxiliary Switch/Alarm Switch Package▼△	AABA	312.
Shunt Trip Package▼△	SA	755.
Auxiliary Switch/Alarm Switch/Shunt Trip Package▼△	AABASA	1067.
Alarm Switch (N.O.) Package for EPDs only	BA	237.

- ▼ Accessory package takes an additional pole space.
- △ Not available for EPD.

Table 9.59: Terminal Nut Insert Kit

Circuit Breaker Type	Qty. per Kit	Catalog No.	\$ Price
ED, EG, EJ	3	TIKFD	17.40

Table 9.60: Handle Accessories

Circuit Breaker Type	No. of Poles	Catalog No.	\$ Price
EXB Fixed Padlock Attachment, Lock ON/OFF			
ED, EG, EJ	1, 2, or 3	EDPA	39.00
EXB Fixed padlock attachment, Lock OFF only			
ED, EG, EJ	1, 2, or 3	EDPAF	45.00
EXB Removable padlock attachment, Lock OFF only			
ED, EG, EJ	1, 2, or 3	HPAFD	25.50
EXB Handle Ties			
ED, EG, EJ	Ties 2-1P	ECB2HT	16.80
	Ties 3-1P	ECB3HT	17.85

Table 9.61: Interrupt Ratings (kA)

	EDB	EGB	EJB
120 V	25	65	100
240 V	18 (1P), 25	35 (1P), 65	65 (1P), 100
480Y/277 V	18	35	65

Table 9.62: Mechanical Lug Kit Information (Al lugs for use with Al or Cu wire)

Circuit Breaker Application				Number of Wires Per Lug and Wire Range	Catalog Number	Lugs Per Kit	\$ price Per Kit
Standard	Ampere Rating	Optional	Ampere Rating				
EDB, EGB, EJB	15-30 A	—	—	one #12-#6 AWG Al or one #14-#6 AWG Cu	AL30FD	3	41.30
	35-125 A	EDB, EGB, EJB	15-30 A □	one #12-2/0 AWG Al or one #14-2/0 AWG Cu	AL100FD	3	
—	—	EDB, EGB, EJB	15-125 A	one #14-1/0 AWG Cu	CU100FD	3	

□ Factory installed only. Use suffix "LH"

E-frame dimensions Digest page 7-55