



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



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



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

E Frame – 125 A, Thermal-Magnetic (480Y/277 Vac)

Continuous Current Rating @ 40°C	"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
	Catalog Number	Price	Catalog Number	Price	Catalog Number	Price	
1-Pole, 277 Vac							
15	EDB14015▲■	\$ 95.	EGB14015▲■	\$ 162.	EJB14015▲■	\$ 259.	AL30FD #14-#6 Al or Cu
20	EDB14020▲■	95.	EGB14020▲■	162.	EJB14020▲■	259.	
25	EDB14025■	95.	EGB14025■	162.	EJB14025■	259.	
30	EDB14030■	95.	EGB14030■	162.	EJB14030■	259.	
35	EDB14035	95.	EGB14035	162.	EJB14035	259.	AL100FD #14-2/0 Al or Cu
40	EDB14040	95.	EGB14040	162.	EJB14040	259.	
45	EDB14045	95.	EGB14045	162.	EJB14045	259.	
50	EDB14050	95.	EGB14050	162.	EJB14050	259.	
60	EDB14060	95.	EGB14060	162.	EJB14060	259.	
70	EDB14070	191.	EGB14070	322.	EJB14070	515.	
2-Pole, 480Y/277 Vac ●							
15	EDB24015■	243.	EGB24015■	410.	EJB24015■	657.	AL30FD #14-#6 Al or Cu
20	EDB24020■	243.	EGB24020■	410.	EJB24020■	657.	
25	EDB24025■	243.	EGB24025■	410.	EJB24025■	657.	
30	EDB24030■	243.	EGB24030■	410.	EJB24030■	657.	
35	EDB24035	243.	EGB24035	410.	EJB24035	657.	AL100FD #14-2/0 Al or Cu
40	EDB24040	243.	EGB24040	410.	EJB24040	657.	
45	EDB24045	243.	EGB24045	410.	EJB24045	657.	
50	EDB24050	243.	EGB24050	410.	EJB24050	657.	
60	EDB24060	243.	EGB24060	410.	EJB24060	657.	
70	EDB24070	480.	EGB24070	812.	EJB24070	1300.	
80	EDB24080	480.	EGB24080	812.	EJB24080	1355.	
90	EDB24090	480.	EGB24090	812.	EJB24090	1355.	
100	EDB24100	480.	EGB24100	812.	EJB24100	1355.	
110	EDB24110	1454.	EGB24110	3284.	EJB24110	5475.	
125	EDB24125	1454.	EGB24125	3284.	EJB24125	5475.	
3-Pole, 480Y/277 Vac							
15	EDB34015■	425.	EGB34015■	718.	EJB34015■	1149.	AL30FD #14-#6 Al or Cu
20	EDB34020■	425.	EGB34020■	718.	EJB34020■	1149.	
25	EDB34025■	425.	EGB34025■	718.	EJB34025■	1149.	
30	EDB34030■	425.	EGB34030■	718.	EJB34030■	1149.	
35	EDB34035	425.	EGB34035	718.	EJB34035	1149.	AL100FD #14-2/0 Al or Cu
40	EDB34040	425.	EGB34040	718.	EJB34040	1149.	
45	EDB34045	425.	EGB34045	718.	EJB34045	1149.	
50	EDB34050	425.	EGB34050	718.	EJB34050	1149.	
60	EDB34060	425.	EGB34060	718.	EJB34060	1149.	
70	EDB34070	578.	EGB34070	976.	EJB34070	1561.	
80	EDB34080	578.	EGB34080	976.	EJB34080	1627.	
90	EDB34090	578.	EGB34090	976.	EJB34090	1627.	
100	EDB34100	578.	EGB34100	976.	EJB34100	1627.	
110	EDB34110	1808.	EGB34110	4084.	EJB34110	6809.	
125	EDB34125	1808.	EGB34125	4084.	EJB34125	6809.	

All EDB, EGB, and EJB circuit breakers are UL Listed as HACR Type.
▲ 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).

Factory-installed Electrical Accessories

		Coil Burden Max. (VA)	Minimum Recommended Supply Transformer (VA)
AUXILIARY SWITCH (1A/1B) 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.	ALARM SWITCH (NO) 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.	

Factory-installed Electrical Accessory Packages for ED, EG, EJ, FD, FG, FJ Circuit Breakers

Accessory Package †	Suffix	Price
Auxiliary Switch/Alarm Switch Package	AABA	\$198.
Shunt Trip Package	SA	479.
Auxiliary Switch/Alarm Switch/Shunt Trip Package	AABASA	677.

† Accessory package takes an additional pole space.

Terminal Nut Insert Kit

Circuit Breaker Type	Qty. per Kit	Catalog No.	Price
ED, EG, EJ, FD, FG, FJ	3	TIKFD	\$11.00

Handle Accessories

Circuit Breaker Type	No. of Poles	Catalog No.	Price
Handle Padlock Attachment (locks ON or OFF)			
ED, EG, EJ, FD, FG, FJ	1, 2 or 3	HPAFD	\$16.20.

Interrupting 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

Optional LugsPages 6-40, 6-41
DimensionsPage 6-46



Section 8 Panelboards

Maximum 240 Vac, 48 Vdc
Maximum Mains Ampacity:
600 Amp Main Lugs
600 Amp Main Circuit Breaker

Maximum Branch Ampacity:
125 Amp Plug-On (QO)
150 Amp Bolt-On (QOB)
225 Amp Sub-Feed
(Q2, Q2-H, KA, KD, KH, KG)



NQOD

Maximum 480Y/277 Vac
Maximum Mains Ampacity:
600 Amp Main Lugs
600 Amp Main Circuit Breaker

Maximum Branch Ampacity:
125 Amp Bolt-On
(EDB, EGB, EJB)
250 Amp Sub-Feed
(KA, KH, KC)



NF

Maximum 600 Vac, 250 Vdc
Maximum Mains Ampacity:
1200 Amp Main Lug
1200 Amp Main Circuit
Breaker

Maximum Branch Ampacity
1200 Amp Circuit Breaker
1200 Amp Sub-Feed/Feed-
Thru Lugs



I-LINE

Maximum 600 Vac, 250 Vdc
Maximum Mains Ampacity:
1600 Amp Main Lugs
800 Amp Main Switch

Maximum Branch Ampacity:
800 Amp Switch
400 Amp Circuit Breaker



QMB

General

200% Rated Neutral Panelboards	8-5
Indoor Current Transformer Cabinets	8-43
SPEED-D Switchboards Wall Mounted Metering Equipment	8-44
Series Rated/Fully Rated Tables	8-2
Telephone and Equipment Cabinets	8-43

Lighting and Appliance Panelboards

NQOB	Column Width Panelboards	8-19
NQOD	Lighting and Appliance Panelboard Pricing Procedures	8-4
	Factory Assembled Panelboards	8-12
	Merchandised 14 Inch Wide Panelboards	8-7
	Merchandised 20 Inch Wide Main Circuit Breaker Panelboards	8-9
	Merchandised 20 Inch Wide Main Lugs Only Panelboards	8-8
	Merchandised Accessories	8-8
QO®	Branch Circuit Breakers	8-10
QOB	Branch Circuit Breakers	8-11
NF	Merchandised 20 Inch Wide Main Circuit Breaker Panelboards	8-15
	Merchandised 20 Inch Wide Main Lugs Only Panelboards	8-14
	Merchandised Column Width Panelboards	8-19
	Merchandised Accessories	8-16
	Factory Assembled Panelboards	8-18
EDB, EGB, EJB	Branch Circuit Breakers	8-17

Power Distribution Panelboards – Circuit Breaker Type





I-LINE®	Circuit Breakers	8-24
	Factory Assembled Pricing	8-35
	Merchandised Accessories	8-21
	Merchandised Panelboards (HCN, HCM)	8-22
	Merchandised Panelboards (HCW, HCWM, HCWM-U)	8-23
	Pricing Procedure	8-20

Power Distribution Panelboards – Fusible Type

QMB	Factory Assembled Pricing	8-40
	Merchandised Panelboards	8-38
	Factory Assembled Motor Starter Centers	8-41
	Switches	8-39

Special Features

Panelboards	Factory Assembled Modifications	8-42
-------------	---------------------------------	-------------

		QOM1 and QOM2 Main Circuit Breakers		Multi 9 Supplementary Protectors								EH Circuit Breakers			EDB Circuit Breakers						
																					
Breaker Type	Plug-on											EH									
	Bolt-on	QOM1-VH	QOM2-VH									EHB			EDB		EGB		EJB		
	Unit Mount			C60N‡				NC100H‡													
Number of Poles		2	2	1	2	3,4	1	1	2	2	3,4	3,4	1	2	3	1	2,3	1	2,3	1	2,3
Current Range		50-125	100-225	0.5-63	1-63	1-63	10-40	50-80	10-40	50-80	10-40	50-80	15-60	15-100	15-100	15-70	15-125	15-70	15-125	15-70	15-125
Interrupting Ratings																					
UL/CSA Rating (kA RMS) (50/60 Hz AC)	120 Vac	22	22	10	10	10	20	5	20	5	20	5	65	65	65	25	25	65	65	100	100
	120/240 Vac	22	22	10	10	10	20	5	20	5	20	5	...	65	65	18	25	35	65	65	100
	240 Vac▼	...	...	10	10	10	20	5	20	5	20	5	14	14	65	18	25	35	65	65	100
	277Vac	...	...	5	5	5	10	...	10	...	10	...	14	14	14	18	18	35	35	65	65
	480Y/277Vac	...	...	...	5	5	...	...	10	...	10	...	...	14	14	...	18	...	35	...	65
DC Ratings	48 Vdc	...	...	10	10	...	10	10	10	10	10	10	...	...	...	...	...	...	...	...	...
	65 Vdc	...	...	10	10	...	10	10	10	10	10	10	...	...	...	...	...	...	...	...	...
	125 Vdc	...	...	...	10	...	10	...	10	10	10	10	...	...	...	...	...	...	...	...	...
	250 Vdc	...	...	...	...	...	...	...	10	...	10	...	...	...	...	...	...	...	...	...	...
IEC 947-2 (50/60 Hz AC)	IEC (Ultimate Rating)	...	...	10 at 240 V	10 at 240 V	10 at 240 V	20 at 240 V	10 at 240 V	20 at 240 V	20 at 240 V	20 at 240 V	20 at 240 V	...	...	...	...	...	...	...	...	...
		...	...	...	5 at 415 V	5 at 415 V	...	...	10 at 415 V	10 at 415 V	10 at 415 V	10 at 415 V	...	...	...	...	...	...	...	...	...
Special Ratings																					
Fed. Specs W-C-375B/GEN		...	...	...	...	...	...	...	...	...	...	...	✓	✓	✓	✓	✓	✓	✓	✓	✓
Other Standard		...	...	IEC, VDE				IEC, VDE				...	...	...	HACR, NOM						
Accessories and Modifications																					
Shunt Trip		...	✓■	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓■	✓■	✓■	✓■	✓■	✓■	✓■	✓■	✓■
Undervoltage Trip		...	...	✓	✓	✓	✓	✓	✓	✓	✓	✓	...	...	...	...	...	...	...	...
Auxiliary Switches		...	...	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓■	✓■	✓■	✓■	✓■	✓■	✓■	✓■	✓■
Alarm Switch		...	...	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓■	✓■	✓■	✓■	✓■	✓■	✓■	✓■	✓■
Handle Operators		...	...	✓	✓	✓	✓	✓	✓	✓	✓	✓	...	...	...	...	...	...	...	...
Handle Padlock Attachment		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Trip System Type																					
Thermal-Magnetic		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Molded Case Switch		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dimensions (1P Unit Mount)																					
Dimensions (1P Unit Mount)	Height IN (mm)	5.09 (129)●	5.60 (142)●	3.19 (81)				3.19 (81)				3.50 (89)			5.66 (144)						
	Width IN (mm)	5.00 (127)●	5.07 (129)●	0.71 (18)				1.06 (27)				1.00 (25)			0.98 (25)						
	Depth IN (mm)	3.47 (88)●	3.60 (91)	2.76 (70)				2.76 (70)				2.97 (75)			4.05 (103)						
Pages (Unit Mount)/(I-LINE)		Page 1-7		See 0600PL9701 and 0860CT9501								Page 6-36			Page 8-17						

▼ For information regarding 3 phase corner grounded systems see Supplemental Digest.
 ■ Factory installed option only
 ‡ C60N and NC100H are recognized components per UL 1077.
 ● QOM1 and QOM2 dimensions are for 2-pole unit.

I-LINE is a Registered Trademark of Square D Company or related companies.



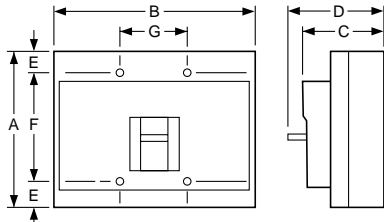


Figure 27

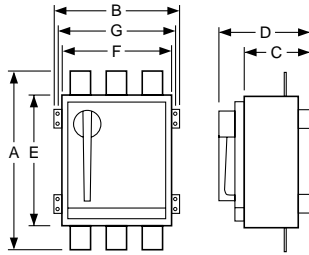


Figure 28

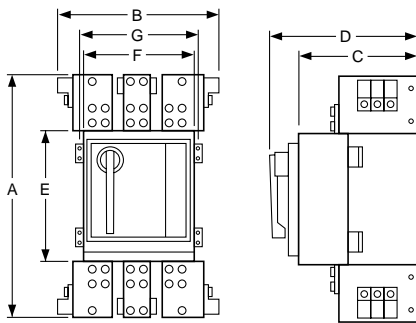


Figure 29

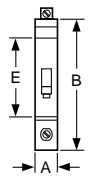


Figure 30

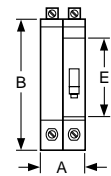


Figure 31

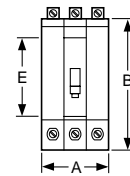


Figure 32

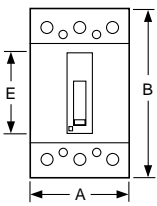
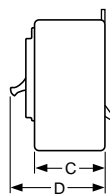


Figure 33

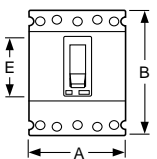


Figure 34

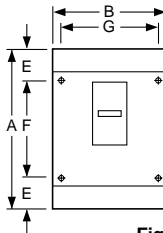


Figure 35

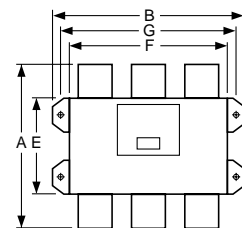
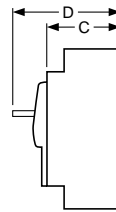


Figure 36

LC, LI, LE, LX, LXI, NA, NE, NX, PA, PC, PE, and PX Circuit Breakers

Circuit Breaker Catalog No. Prefix	No. Poles	Fig. No.	Dimensions - Inches						
			A	B	C	D	E	F	G
LC, LI, LE, LX, LXI	2 & 3	27	11.86	7.50	5.48	6.74	0.55	10.75	2.50
NA, NC, NX, NE	2 & 3	27	12.12	14.98	6.40	8.07	1.69	8.75	5.00
PA, PH, PX, PE	2 & 3	28	20.06	13.70	7.25	10.47	14.00	12.00	12.75
PC, PX-25, PE-20-25	2 & 3	29	26.10	23.30	13.33	16.55	14.10	12.00	...

ED, EG, EJ, KD, KG and GJ Circuit Breakers

Circuit Breaker Catalog No. Prefix	No. of Poles	Fig. No.	Dimensions — Inches				
			A	B	C	D	E
ED, EG, EJ	1	30	0.98	5.66	3.09	4.05	3.32
	2	31	1.96	5.66	3.09	4.05	3.32
	3	32	2.94	5.66	3.09	4.05	3.32
KD, KG	2, 3	33	4.12	7.35	3.20	4.17	3.34
GJ	3	34	3.54	4.72	2.76	3.94	2.20

MG, MJ, PG, PJ, PL, RG, RJ and RL Circuit Breakers

Circuit Breaker Catalog No. Prefix	No. of Poles	Fig. No.	Dimensions — Inches						
			A	B	C	D	E	F	G
MG, MJ	2, 3	35	12.40	8.27	5.53	8.05	2.28	7.87	7.87
PG, PJ, PL	2, 3	35	16.29	8.27	5.53	8.05	4.19	7.87	7.87
RG, RJ, RL	2, 3	36	15.00	16.54	6.30	14.38	8.73	14.25	15.35

Frame Size	Approx. Shipping Weight (Lbs.)	Frame Size	Approx. Shipping Weight (Lbs.)
ED, EG, EJ 1-pole	2	MAL	
ED, EG, EJ 2-pole	3	MHL	34
ED, EG, EJ 3-pole	4	MXL	
FAL		MEL	44
FHL 1-pole	2	NAL	
FHL 2-pole	3	NCL	49
FHL 3-pole	5	MG	
FCL		MJ	24
FIL	8	NXL	
GJ	3	NEL	65
KD		PAF	
KG	5	PHF	69
KAL		PG	
KHL	7	PJ	
KCL		PL	32
KIL	9	PXF	
LAL		PEF	80
LHL	15	RG	
LEL		RJ	
LCL		RL	52
LIL		Q2L	4
LXL	25	Q4L	15

All weights are for 3-pole circuit breakers unless otherwise noted.

