

# Enclosed Molded Case Switches Circuit Breaker Enclosures

Class 1131



**Square D**

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FOR CURRENT INFORMATION

1 LOAD CENTERS

**Enclosed Molded Case Switches** UL Listed  
Molded Case Switch Included. Does not provide overcurrent protection.

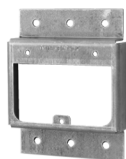
Service	Ampere Rating	General Purpose		Rainproof		Box No. See Page 1-16, 1-18
		Catalog No.	Price	Catalog No.	Price	
 240 Vac	60 ▲ ■	QO260NATS	\$102.00	QO200TR	\$107.00	2, 9R ◆
 120/240 Vac	100 ★	QO2000NS	175.00	QO2000NRB	214.00	13, 10R

### Housing Bracket

Description	Catalog No.	Price
Bracket used with QO200TR for stucco, aluminum and vinyl siding. Order quantity multiples of 10.	PKHB	\$2.00



QO200TR





PKHB  
Housing  
Bracket




QO2TR

### Circuit Breaker Enclosures

22,000 RMS Symmetrical Ampere Short Circuit Current Rating. Circuit Breakers Not Included. Order QO®, QO-GFI, and QO-PL Circuit Breakers Separately From Pages 1-2 and 1-3. Accepts QO circuit breakers with factory-installed accessories.

Service	Ampere Rating	General Purpose ▼		Rainproof		Box No. See Page 1-16, 1-18
		Catalog No. △	Price	Catalog No. △	Price	
 120/240 Vac	100 125	QO2100BNF/S QO2125BNF/S	\$52.00 69.00	QO2100BNRB QO2125BNRB	\$ 86.00 100.00	13, 10R 18, 13R
 240 Vac	100	QO3100BNF/S	94.00	QO3100BNRB	131.00	13, 10R

10,000 RMS Symmetrical Ampere Short Circuit Current Rating. Circuit Breaker Not Included. Order Separately From Page 1-2. Will Not Accept QO-GFI Circuit Breaker.

Service	Ampere Rating	General Purpose ▼	Price	Rainproof	Price	Box No.
 240 Vac	60 ▲	....	....	QO2TR	\$ 60.00	9R ◆





QO2000NS




QO3100BNF  
With Cover Removed

### Q2 Enclosures and Q2L Circuit Breakers—UL Listed

Service	Enclosure Only □				Box No. See Page 1-16, 1-18	Ampere Rating	Circuit Breaker (Order Separately)					
	Type 1—General Purpose ▼		Type 3R—Rainproof				10,000 AIR		22,000 AIR		42,000 AIR	
	Catalog No.	Price	Catalog No.	Price			Catalog No.	Price	Catalog No.	Price	Catalog No.	Price
 Two Pole 240 Vac Maximum	Q22200NS ◆ or Q23225NF/S	\$111.00 138.00	Q22200NRB ◆ or Q23225NRB	\$241.00 265.00	19, 11R 20, 12R	100 110 125 150 175 200 225	Q2L2100 Q2L2110 Q2L2125 Q2L2150 Q2L2175 Q2L2200 Q2L2225	\$301.00 301.00 301.00 301.00 301.00 301.00 301.00	Q2L2100H Q2L2110H Q2L2125H Q2L2150H Q2L2175H Q2L2200H Q2L2225H	\$ 726.00 726.00 726.00 726.00 726.00 726.00 726.00	Q2LH2100 Q2LH2110 Q2LH2125 Q2LH2150 Q2LH2175 Q2LH2200 Q2LH2225	\$966.00 966.00 966.00 966.00 966.00 966.00 966.00
 Three Pole 240 Vac	Q23225NF/S	138.00	Q23225NRB	265.00	20, 12R	100 110 125 150 175 200 225	Q2L3100 Q2L3110 Q2L3125 Q2L3150 Q2L3175 Q2L3200 Q2L3225	792.00 792.00 792.00 792.00 792.00 792.00 792.00	Q2L3100H Q2L3110H Q2L3125H Q2L3150H Q2L3175H Q2L3200H Q2L3225H	1132.00 1132.00 1132.00 1132.00 1132.00 1132.00 1132.00	... ... ... ... ... ... ...	... ... ... ... ... ... ...

### QOM2 Enclosures and QOM2 Circuit Breakers—UL Listed

Service	Enclosure Only				Box No. See Pages 1-16, 1-18	Ampere Rating	QOM2 Circuit Breaker (Order Separately) ★	
	Type 1 General Purpose		Type 3R Rainproof				22,000 AIR	
	Catalog No.	Price	Catalog No.	Price			Catalog No.	Price ‡
 Two Pole 240 Vac Maximum	QOM22225NS	\$149.	QOM22225NRB	\$279.	22, 16R	100 125 150 175 200 225	QOM2100VH QOM2125VH QOM2150VH QOM2175VH QOM2200VH QOM2225VH	\$297. 297. 297. 297. 297. 297.

- ▲ Not suitable for service equipment.
- Maximum 10 Hp 240 Vac.
- ◆ Top endwall has no hub opening.
- ★ Maximum 20 Hp 240 Vac.
- ▼ Order F for flush, S for surface.
- △ For ground bar kit order PKOGTA2 \$35.00.
- Factory installed groundable neutral assembly includes (2) ground lugs and (2) neutral lugs. Equipment ground kit PKOGTA2 also included.
- ◇ Accepts 200 A max. 2-pole Q2L breakers.
- ‡ Add suffix 1021 for 240 Vac shunt trip. Add \$120.



QOM22225NS  
With Cover  
Removed



Q22200NS  
With Cover  
Removed



Q23225NF





**FA100S**



**FA100RB**



**KA225DS**



**FA100X**



**FA100Y**

- Circuit breaker enclosures are UL Listed, CSA Certified and are suitable for use as service equipment except as footnoted.
- The short circuit rating of an enclosed circuit breaker is equal to the rating of the circuit breaker installed, except as footnoted.
- Breakers are ordered and shipped separately for field installation – see Pages 6-36 through 6-41.
- For enclosure accessories and dimensions refer to Pages 6-48.

Circuit Breaker			NEMA Type 1 Flush		NEMA Type 1 Surface		NEMA Type 3R▲	
Catalog Number Prefix	Ampere Rating	Number of Poles	Enclosure Catalog Number	Price	Enclosure Catalog Number	Price	Enclosure Catalog Number	Price
EH, EHB▼	15-90 15-100	1, 2, 3 1, 2, 3	EHB125NF△ .....	\$155. ...	EHB125NS△ .....	\$ 155. ...	EHB125NRB△ .....	\$355. .....
FAL, FHL, FCL	15-100	2, 3	FA100F	120.	FA100S	120.	FA100RB	317.
Q2L, Q2L-H, Q2LH	100-200	2	.....	...	Q22200NS†△	111.♦	Q22200NRB†△	241.♦
	100-225	2, 3	Q23225NF†△	138.♦	Q23225NS†△	138.♦	Q23225NRB†△	265.♦
KAL, KHL, FCL, FAL, FHL	70-225	2, 3	KA225F	153.	KA225S	153.	KA225RB	465.
LAL, LHL, Q4L, KAL, KHL	125-400	2, 3	LA400F	226.	LA400S	226.	LA400R	1050.
MEL	450-800	3	.....	...	ME1000S‡	4124.	ME1000R‡	4180.
MAL, MHL●, MXL●, LAL, LHL, Q4L	125-1000	2, 3	MA1000F	402.	MA1000S	402.	MA1000R	1370.

- ▲ Enclosures with NRB or RB suffix have provisions for 3/4" through 2 1/2" bolt-on hubs in top endwall. Enclosures with R suffix have blank endwalls and require field cut opening. For details and hub catalog numbers see Page 3-9.
- ▼ EHB enclosures will not accept 3-Pole EH, EHB circuit breaker with factory installed accessories or EHB-EPD circuit breakers.
- † Factory installed groundable neutral assembly includes (2) ground lugs and (2) neutral lugs.
- ♦ MEL100% rated breaker-short circuit rating is 50,000 AIR at 480 Vac maximum.
- MHL, MXL short circuit rating is 50,000 AIR at 480 Vac maximum.
- △ Not CSA Certified.

Circuit Breaker			NEMA Type 4, 4X, 5, 3, 3R Stainless Steel (Hubs – See Page 3-9)		NEMA Type 12/3R, 12K (Hubs – See Page 3-9)			
Catalog Number Prefix	Ampere Rating	Number of Poles	Enclosure Catalog Number	Price	With Knockouts (NEMA Type 12K)		Without Knockouts* (NEMA Type 12/3R, 5)	
					Catalog Number	Price	Catalog Number	Price
FAL, FHL, FCL	15-100	2, 3	FA100DS	\$ 909.	FA100A	\$223.	FA100AWK	\$ 212.
KAL, KHL, FIL■	20-225	2, 3	KA225DS▲	1869.	KA225A	343.	KA225AWK	325.
KAL, KIL■, KCL	110-250	2, 3	IK250DS	3326.	.....	.....	IK250AWK	557.
LAL, LHL, Q4L	125-400	2, 3	LA400DS	3602.	.....	.....	LA400AWK	573.
LEL†, LXL, LXIL	100 - 600	3	.....	.....	.....	.....	LX600AWK	2376.
LCL, LIL	300 - 600	2, 3	.....	.....	.....	.....	LX600AWK	2376.
MAL, MHL●, MXL●	300-1000	2, 3	MA1000DS	6429.	.....	.....	MA1000AWK	1146.
NAL, NCL, NXL	600-1200	2, 3	.....	.....	.....	.....	NA1200AWK†△	1666.

- ★ Suitable for rainproof Type 3R application by removing drain screw from bottom endwall.
- ▲ Wire bending space provided for 250 kcmil (Al/Cu) 75°C conductors maximum.
- † LEL 100% rated circuit breaker except for 600 Amp sensor.
- Short circuit rating is 100,000 AIR at 480 Vac maximum.
- MHL, MXL short circuit rating is 50,000 AIR at 480 Vac maximum.
- † Short Circuit Ratings: NAL, 240 Vac – 100,000, 480 Vac – 50,000, 600 Vac – 25,000  
 NCL, 240 Vac – 125,000, 480 Vac – 100,000, 600 Vac – 65,000  
 NXL, 240 Vac – 65,000, 480 Vac – 50,000, 600 Vac – 42,000
- △ Does not have outside operator, not CSA Certified.

Circuit Breaker			NEMA Type 7 ★ Cast Aluminum		NEMA Type 9 ■ Cast Aluminum	
Catalog Number Prefix	Ampere Rating	Number of Poles	Enclosure Catalog Number	Price	Enclosure Catalog Number	Price
FAL▲	15-60	1, 2, 3	FA060X▼	\$1029.	FA060Y‡	\$ 779.
	15-100	1, 2, 3	FA100X▼	1273.	FA100Y‡	882.
KAL▲	70-225	2, 3	KA225X◊†▼	2592.	KA225Y◊‡	1799.

- ★ NEMA Type 7 – Indoor Hazardous Locations – Class I, Groups C and D; Class II, Groups E, F and G; Class III.
- NEMA Type 9 – Indoor Hazardous Locations – Class II, Groups E, F and G; Class III.
- ▼ Suitable for rainproof applications—includes PKDB-1 breather and drain kit.
- ‡ Not CSA Certified.
- ▲ Use 75°C Copper conductors only.
- ◊ Not UL Listed due to wire bending space requirements.

Accessories ..... Page 6-48  
 Dimensions ..... Page 6-48



# Enclosures

Accessories and Dimensions  
Class 610

**Square D**  
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FOR CURRENT INFORMATION

## Accessories

### Insulated Groundable Neutral Assembly

Circuit Breaker Catalog Number Prefix	Am- pere Rating	Neutral Assembly For Use With						Wire Range per Terminal In-Out Wire Bending Space per NEC Table 373-6	Grounding Electrode Conductor Terminals
		NEMA Types 1 & 3R		NEMA Type 4-4x-5 & 12		NEMA Type 7 & 9			
		Catalog Number	Price	Catalog Number	Price	Catalog Number	Price		
FAL, FHL, FCL FAL, FHL, FIL	100 100	SN100FA .....	\$ 45.40 .....	SN100FA .....	\$ 45.40 .....	..... 100SNA	..... \$ 95.00	(1) #14-1/0 Cu or (1) #12-1/0 Al FA060X/Y - #14 - #6 Cu FA100X/Y - #14 - #3 Cu	(1) #14-4 AWG Cu (1) #14-4 AWG Cu (1) #14-4 AWG Cu
KAL, KHL KAL, KHL, KIL, KCL KAL, KHL KAL, KHL, KIL, KCL	225 225 225 250	SN225KA ..... ..... .....	128.00 ..... ..... .....	SN225KA ..... ..... SN400LA	128.00 ..... ..... 159.00	..... ..... 225SNA .....	..... ..... 126.00 .....	(1) #4 - 300 kcmil Cu or Al (1) #4 - 300 kcmil Cu or Al (1) #4 - 300 kcmil Cu (1) #1 - 600 kcmil or (2) #1 - 250 kcmil Cu or Al	(2) #14 - 1/0 AWG Cu or Al (2) #14 - 1/0 AWG Cu (1) #14-4 AWG Cu (1) #4-300 kcmil Cu/Al
LAL, LHL, Q4L LAL, LHL, Q4L, LCL, LIL LXL, LXIL	400 400	400SN .....	157.00 .....	..... SN400LA	..... 159.00	..... .....	..... .....	(1) #1-600 kcmil or (2) #1-250 Cu or Al (1) #1-600 kcmil or (2) #1-250 kcmil Cu or Al	(2) #14-1/0 AWG Cu (2) #6-250 kcmil Cu
LCL, LIL, LXL*, LXIL*	400	.....	.....	SNC400LX□	731.00	.....	.....	(1) #2-600 kcmil Cu	(2) #6-250 kcmil Cu
LCL, LXL LIL, LXIL, LEL	600	.....	.....	SNC800LX□	956.00	.....	.....	(2) #2-600 kcmil Cu	(1) #2-4/0 AWG Cu
MAL, MHL, MXL* MAL, MHL, MXL*, MEL* LCL, LXL*, LIL, LXIL*, LEL*	1000▲ 1000▲	AL800SN .....	231.00 .....	..... SN1000MA	..... 231.00	..... .....	..... .....	(3) 3/0-500 kcmil Cu or Al (3) 3/0-500 kcmil Cu or Al	(1) #6-250 kcmil Cu (1) #1-4/0 AWG Cu
NAL, NCL, NXL	1200	SN1200NA SN1200NACT▲	272.00 663.00	SN1200NA SN1200NACT▲	272.00 663.00	..... .....	..... .....	(4) 3/0-600 kcmil Cu or Al (4) 3/0-600 kcmil Cu or Al	(1) #4-350 kcmil Cu (1) #4-350 kcmil Cu

\* When using MXL, MEL, LXL, LEL or LXIL circuit breaker with integral ground fault protection on a 3Ø4W system, neutral assembly SN 1000MA OR SNC800LX must be used for neutral CT. Order neutral CT separately from Page 6-37.

▲ Rated maximum 900 Amperes when used with Al wire.

◆ SN1200NACT includes neutral CT for use with NXL circuit breaker with integral ground fault protection.

□ All Cu neutral assembly.

### Service Ground Kits

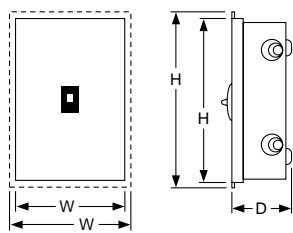
Circuit Breaker Catalog Number Prefix	Ground Bar Catalog Number	Number of Terminals	Conductors Per Terminal	Wire Range	Price
EH, EHB 15-60 Amperes	PK3GTA-1	3	1 2	#14-#4 Cu or #12-#4 Al #14 or #12 Cu, #12 or #10 Al	\$ 7.20†
EH, EHB 70-90 Amperes	PK0GTA-2	2	1	#10-2/0 Cu or #6-2/0 Al	35.00
Q2L†, Q2LH FAL, FHL, FCL, FIL KAL, KHL, KCL, KIL LAL, LHL Q4L					
MAL, MHL, MXL, MEL LCL, LEL, LIL, LXL, LXIL NAL, NCL, NXL	PK0GTA-4	4	1	#6-250 kcmil Al or Cu	135.00

† Equipment Ground Bar kits are included in Q2 enclosures

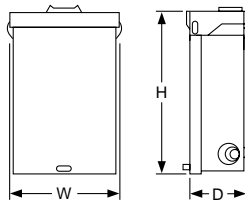
### Dimensions

Catalog Number	Series	Approximate Dimension						Catalog Number	Series	Approximate Dimension					
		H		W		D				H		W		D	
		IN	mm	IN	mm	IN	mm			IN	mm	IN	mm	IN	mm
EHB125NF	E1	13.38	340	8.88	226	3.75	95	LA400AWK	E2	42.25	1073	13.75	349	7.25	184
EHB125NS	E1	12.38	314	7.88	200	3.75	95	LA400DS	E2	42.25	1073	13.75	349	7.25	184
EHB125NRB	E1	15.13	384	7.88	200	4.25	108	LA400F	E2	45.63	1159	16.50	419	6.50	165
FA060X◆	E1	16.00	406	9.88	251	7.00	178	LA400R	E2	44.00	1118	15.38	391	7.88	200
FA060Y◆	E1	16.00	406	9.88	251	7.00	178	LA400S	E2	44.50	1130	15.38	391	6.50	165
FA100A, AWK	E2	19.50	495	9.13	232	4.88	124	LX600AWK	E3	57.50	1461	20.38	518	8.25	210
FA100DS	E2	19.50	495	9.13	232	4.88	124	MA1000AWK	E3	57.50	1461	20.38	518	8.00	203
FA100F	E2	19.50	495	9.88	251	4.13	105	MA1000DS	E3	57.50	1461	20.38	518	8.00	203
FA100RB	E2	18.00	457	8.88	226	4.88	124	MA1000F	E2	52.63	1337	21.88	556	7.75	197
FA100S	E2	18.13	461	8.63	219	4.13	105	MA1000R	E2	52.13	1324	21.63	549	9.88	251
FA100X◆	E1	16.00	406	9.88	251	7.00	178	MA1000S	E2	51.88	1318	20.25	514	7.75	197
FA100Y◆	E1	16.00	406	9.88	251	7.00	178	ME1000S	E1	62.25	1581	23.00	584	14.75	375
IK250AWK	E2	42.25	1073	13.88	353	7.50	191	ME1000R	E1	62.13	1578	22.88	581	14.50	368
IK250DS	E2	42.25	1073	13.88	353	7.50	191	NA1200AWK	E1	66.00	1676	35.88	911	14.88	378
KA225A, AWK	E2	25.25	641	9.50	241	5.38	137	Q22200NRB	E3	23.38	594	7.63	194	4.75	121
KA225DS	E2	25.25	641	9.50	241	5.38	137	Q22200NS	E3	23.13	588	7.63	194	4.25	108
KA225F	E2	29.88	759	13.75	349	5.38	137	Q23225NF	E3	26.25	667	9.88	251	4.75	121
KA225RB	E2	28.38	721	12.50	318	6.13	156	Q23225NRB	E3	26.25	667	9.88	251	5.50	140
KA225S	E2	28.50	724	12.38	314	5.38	137	Q23225NS	E3	26.25	667	9.88	251	4.75	121
KA225X◆	C2	22.63	575	10.88	276	7.75	197								
KA225Y◆	A2	21.88	556	11.00	279	7.50	191								

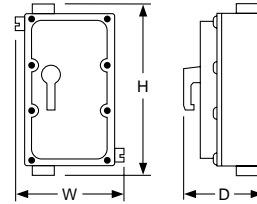
◆ Tapped conduit opening, top and bottom endwall: FA060X/Y-3/4", FA100X/Y-1/4", KA225X/Y-2 1/2".



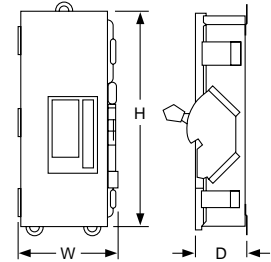
NEMA Type 1  
EHB, Q2, FA, KA, LA, MA



NEMA Type 3R  
EHB, Q2, FA, KA, LA, MA



NEMA Type 7, Type 9  
FA, KA



NEMA Type 4, 4X, 5, 12, 12K  
IK, FA, KA, LA, LX, MA

