

# Residential Load Centers

## Special Purpose Circuit Breakers

60°C / 75°F Conductor Rating

Box Type Terminals

Quick-Make, Quick-Break

Multi-pole Breakers Incorporate Internal Common Trip

## Section 1

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### Sub-feed and Feed-thru Lugs

UL Listed

For use in load centers to economically supply power to a subpanel.

Poles	Ampere Rating	Product Number	List Price GO-137A
2	125	THLK2125	\$77.00
3	125	THLK3125	\$107.00
2	150	THLK2150 <sup>1</sup>	\$137.00
2	200	THLK2200 <sup>1</sup>	\$158.00
3	225	THLK3225 <sup>2</sup>	\$250.00

<sup>1</sup>For use with PowerMark Gold load centers only

<sup>2</sup>For use with three-phase load centers only. Includes mounting base.

### TQ Circuit Breakers

3/4" UL Classified Circuit Breakers for use in \*Square D \*\*QO Load Centers.

10 kAIC RMS symmetrical

Ampere Rating	1-Pole		2-Pole	
	Product Number	List Price GO-138Q	Product Number	List Price GO-138Q
15	TQ1115	\$20.25	TQ2115	\$46.00
20	TQ1120	\$20.25	TQ2120	\$46.00
30	TQ1130	\$20.25	TQ2130	\$46.00
40	TQ1140	\$20.25	TQ2140	\$46.00
50	TQ1150	\$20.25	TQ2150	\$46.00
60	-	-	TQ2160	\$46.00
Std. Pkg.	1 carton of 10		1 carton of 5	

### THQL 120/240 Vac, with Factory Installed Shunt

# of Poles	Ampere Rating	Wire Range <sup>3</sup>	120/240 Vac Interrupting Rating	Product Number	List Price GO-138A
1	15	(1) 14-8 Cu/12-8 Al	10kA	THQL1115ST1	\$175.00
1	20	(1) 14-8 Cu/12-8 Al	10kA	THQL1120ST1	\$175.00
1	30	(1) 14-8 Cu/12-8 Al	10kA	THQL1130ST1	\$175.00
1	35	(1) 8-3 Cu/8-3 Al	10kA	THQL1135ST1	\$175.00
1	40	(1) 8-3 Cu/8-3 Al	10kA	THQL1140ST1	\$175.00
1	45	(1) 8-3 Cu/8-3 Al	10kA	THQL1145ST1	\$175.00
1	50	(1) 8-3 Cu/8-3 Al	10kA	THQL1150ST1	\$175.00

### THQL 120/240 Vac, Internal Common Trip with Factory Installed Shunt

# of Poles	Ampere Rating	Wire Range <sup>3</sup>	240 Vac Interrupting Rating	Product Number	List Price GO-138A
2	15	14-8 Cu/12-8 Al	10kA	THQL2115ST1	\$200.00
2	20	14-8 Cu/12-8 Al	10kA	THQL2120ST1	\$200.00
2	30	14-8 Cu/12-8 Al	10kA	THQL2130ST1	\$200.00
2	35	8-3 Cu/8-3 Al	10kA	THQL2135ST1	\$200.00
2	40	8-3 Cu/8-3 Al	10kA	THQL2140ST1	\$200.00
2	45	8-3 Cu/8-3 Al	10kA	THQL2145ST1	\$200.00
2	50	8-3 Cu/8-3 Al	10kA	THQL2150ST1	\$250.00
2	60	8-3 Cu/8-3 Al	10kA	THQL2160ST1	\$250.00
2	70	6-1/0 Cu/4-1/0 Al	10kA	THQL2170ST1	\$250.00
2	80	6-1/0 Cu/4-1/0 Al	10kA	THQL2180ST1	\$250.00
2	90	6-1/0 Cu/4-1/0 Al	10kA	THQL2190ST1	\$250.00
2	100	6-1/0 Cu/4-1/0 Al	10kA	THQL21100ST1	\$300.00
3	20	14-8 Cu/12-8 Al	10kA	THQL32020ST1	\$273.00 <sup>4</sup>
3	30	14-8 Cu/12-8 Al	10kA	THQL32030ST1	\$325.00 <sup>4</sup>
3	40	8-3 Cu/8-3 Al	10kA	THQL32040ST1	\$325.00 <sup>4</sup>
3	50	8-3 Cu/8-3 Al	10kA	THQL32050ST1	\$325.00 <sup>4</sup>
3	60	8-3 Cu/8-3 Al	10kA	THQL32060ST1	\$325.00 <sup>4</sup>
3	70	6-1/0 Cu/4-1/0 Al	10kA	THQL32070ST1	\$350.00 <sup>4</sup>
3	80	6-1/0 Cu/4-1/0 Al	10kA	THQL32080ST1	\$375.00 <sup>4</sup>
3	90	6-1/0 Cu/4-1/0 Al	10kA	THQL32090ST1	\$375.00 <sup>4</sup>
3	100	6-1/0 Cu/4-1/0 Al	10kA	THQL32100ST1	\$400.00 <sup>4</sup>

<sup>3</sup>Solid or stranded for 14-10 AWG.

<sup>4</sup>GO-138

\*Square D is a registered trademark of SNA Holdings, Inc.

\*\*QO is a registered trademark of the Square D Company.



THLK2125



THLK2150



TQ1120



THQL1130ST1



THQL2120ST1



THQL32020ST1



### Tri-Break® Line

- Integrally Fused Thermal Magnetic Circuit Breakers
- Integrally Fused Magnetic Circuit Breakers
- Integrally Fused Molded Case Switches

These breakers are available in three types. Type TB1 (15-100 amperes) product numbers include frame, trip, line and load lugs, and current limiters all factory assembled. TB6 (300 to 600 amperes) and TB8 (600 to 800 amperes) include frame, trip and limiters, factory assembled, but do not include line or load lugs. If line and load lugs are required, order separately. Unless otherwise noted, TB1, TB6, and TB8 breaker components are UL listed in File E-42263. Fused molded case switches are UL listed in File E-57546.

### Mag-Break Line

- Magnetic only circuit breakers (motor circuit protectors)

These breakers are available only with noninterchangeable adjustable magnetic trip, in frame Types E, F, J, K, and Tri-Break®. All breakers are shipped factory assembled, complete with Cu/Al line and load lugs.

All magnetic only circuit breakers and limiters are UL Component Recognized in Files E-11592 and E-66390, respectively, unless otherwise noted.

### Spectra® RMS

- Circuit Breakers

Determine the required breaker frame, IC rating, and load requirements. Select frame, trip unit (rating plug), and lug, if required, product numbers from the tables on pages 3-46 to 3-54. For Spectra® breakers with MicroVersaTrip® Plus or MicroVersaTrip® PM Trip Units refer to pages 3-57 through 3-65. Select field-mounted internal accessory product numbers, if required, on pages 3-70 and 3-71. Select field-mounted external accessory product numbers, if required, on pages 3-97 through 3-107 and pages 3-66 to 3-69 for Spectra® breakers with MicroVersaTrip® Plus or MicroVersaTrip® PM Trip Units. Order as separate items.

- Mag-Break Motor Circuit Protectors

Determine the required frame and ampere requirements. Select frame, trip unit (rating plug), and lug, if required, product numbers from the table on pages 3-73 through 3-75. Select accessories as noted above for circuit breakers. The same accessories are used with both circuit breakers and motor circuit protectors. Order as separate items.

- Molded Case Switches

Determine the required frame and ampere requirements. Select frame and lug, if required, product numbers from the table on page 3-72. Rating plugs are not used. Select accessories as noted above for circuit breakers. Internal accessories do not require dummy trips. The same accessories are used with both circuit breakers and molded case switches. Order as separate items.

Unless otherwise noted, all circuit breakers are UL listed in File E-11592. Molded case switches are UL listed in File E-57546. Field-Installable Internal Accessories are UL listed in File E-57253. Distribution Cable Accessories for MicroVersaTrip® Plus Trip Units and MicroVersaTrip® PM Trip Units are UL listed in File E-57253.

### Accessories

Order accessories from the appropriate table:

- Thermal Magnetic Circuit Breakers, Magnetic Circuit Breakers, and Molded Case Switches<sup>1</sup>—pages 3-39 to 3-45 and 3-97 to 3-107.
- Spectra® RMS Breakers—pages 3-70 to 3-71 and 3-97 to 3-107.
- Spectra® RMS Breakers with MicroVersaTrip® Plus Trip Units or MicroVersaTrip® PM Trip Units—pages 3-66 to 3-71, and 3-96 to 3-107.

<sup>1</sup>Installation of accessories in molded case switches requires dummy trip; see page 3-45 for information. Dummy trip not required for Tri-Break® or Q-Line molded case switches.

### Molded Case Circuit Breaker and Switch Terminal Configuration Code

Order standard Cu/Al lugs by using suffix codes presented. Order lugs separately if special lugs are required. For optional lugs, see pages 3-101 and 3-102.

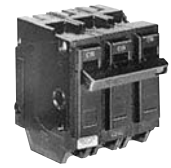
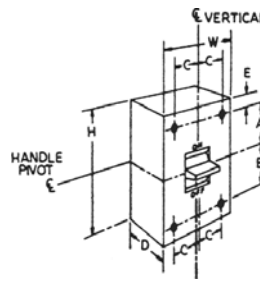
Breaker/Switch Type	Suffix				
	Blank	WL	XL	X2	LL
TQD/TJD	Load Lugs Only	Line and Load Lugs	—	Line Lugs Only	No Lugs
Molded Case Breakers, Thermal Magnetic	Load Lugs Only	Line and Load Lugs	—	Load Lugs Only	No Lugs
Molded Case Switch	Line and Load Lugs	—	No Lugs	Line Lugs Only	Load Lugs Only
Spectra RMS™ Breakers	No Lugs			Order Lugs Separately	
Mine Duty™ Breakers	No Lugs			Order Lugs Separately	
Mag-Break® Breakers	Line and Load Lugs	—	—	—	—



### Quick Reference Guide

Ratings do not apply to molded case switches.

The interruption ratings and voltages shown in the table are maximum ratings. A circuit breaker of the type given in the left-hand column may be applied at the given circuit voltage in any electrical distribution system where the available fault current at the load terminals of the breaker does not exceed the value in the table. That circuit breaker type may also be applied at intermediate values of circuit voltage provided the available fault current at the load terminals of the breaker does not exceed the value in the table for the higher value of voltage.



THQL 32015

### Q-Line (UL file E-11592; Fixed Thermal Magnetic Trip Unit)

Circuit Breaker Type	Ampere Rating	No. Poles	Maximum Voltage Rating		UL Listed Interrupting Ratings—rms Symmetrical kA								Dimensions (in.)								Std. Pack
					Vac						Vdc										
			ac	dc	120	120/240	240	277	480	600	125	250	H	W	D	A	B	C	E		
TQ	15-50	1	120/240	—	—	10	—	—	—	—	—	—	3	3/4	2 3/8	—	—	—	—	10	
	15-60	2	120/240	—	—	10	—	—	—	—	—	—	3	1 1/2	2 3/8	—	—	—	—	5	
THQP <sup>1</sup>	15-50	1	120/240	—	—	10	—	—	—	—	—	—	3 9/32	1/2	2 3/8	—	—	—	—	100	
		2												1							50
TQL/TQB/TQC	10	1	120/240	—	—	5 <sup>2</sup>	—	—	—	—	—	—	3 9/32	1	2 3/8	—	—	—	—	50	
		2												2							25
		3												240							3
THQL <sup>1</sup> THQB <sup>1</sup> THQC <sup>1</sup>	15-70	1	120/240	—	—	10	—	—	—	—	—	—	3 9/32	1	2 3/8	—	—	—	—	50	
	15-125	2												2							25
	15-100	3												240							3
THHQB <sup>1</sup> THHQC <sup>1</sup>	15-70	1	120/240	—	—	22	—	—	—	—	—	—	3 9/32	1	2 3/8	—	—	—	—	50	
	15-100	2												2							25
		3												240							3
THHQL <sup>1</sup>	15-70	1	120/240	—	—	22	—	—	—	—	—	—	3 9/32	1	2 3/8	—	—	—	—	50	
	15-125	2												2							25
	15-100	3												240							3
TXQL <sup>1</sup> TXQB <sup>1</sup> TXQC <sup>1</sup>	15-30	1	120/240	—	—	65	—	—	—	—	—	—	3 9/32	1	2 3/8	—	—	—	—	50	
		2												2							25
		3												240							3
TQDL	125-200	2	120/240	—	—	10	—	—	—	—	—	—	6 1/16	2	2 3/8	—	—	—	—	12	
THQDL	125-200	2	120/240	—	—	22	—	—	—	—	—	—	6 1/16	2	2 3/8	—	—	—	—	12	
TQD <sup>1</sup>	100-225	2	240	—	—	10	10	—	—	—	—	—	6 9/16	2 3/4	2 5/8	2 7/16	2 7/16	—	27/32	1	
	100-225	3	240			—	10							11/16				1			
THQD <sup>1</sup>	100-225	2	240	—	—	22	22	—	—	—	—	—	6 9/16	2 3/4	2 5/8	2 7/16	2 7/16	—	27/32	1	
	100-225	3	240			—	22							11/16				1			
TJD	250-400	2	240	—	—	22	22	—	—	—	—	10	10 1/8	8 1/4	3 13/16	3 15/16	3 13/16	1 3/8	1 3/16	1	
		3	240			—	22													1	

### CB3 Ground Fault, Equipment Ground Fault and Arc Fault (UL File E-51075; Fixed Thermal Magnetic Trip Unit)

THQB THQC ...GF, GFEP, AF	15-30	1	120	—	10	—	—	—	—	—	—	—	—	3 9/32	1	2 3/8	—	—	—	—	10
		2	120/240	—	—	1	—	—	—	—	—	—	—	3 9/32	2	2 3/8	—	—	—	—	10
THHQL ...GF THHQB ...GF AF	15-30	1	120	—	22	—	—	—	—	—	—	—	—	3 9/32	1	2 3/8	—	—	—	—	10

<sup>1</sup> UL listed as HACR (heating, air conditioning and refrigeration).

<sup>2</sup> Not UL listed.

