

# GE Molded Case Circuit Breakers

## Q Line Circuit Breakers

### Types TQC, THQC, THHQC, TXQC (Lug—Lug) 10-100 Amps

Use Q Line mounting accessories listed on page 4-60. UL listed HACR.

Ampere Rating	TQC, THQC 10 kAIC		THHQC 22 kAIC		TXQC 65 kAIC	
	Catalog Number ①	List Price, GO-135B	Catalog Number ①	List Price, GO-135B	Catalog Number ①	List Price, GO-135B

#### Single-Pole, 120/240 Volts ac

10②	TQC1110WL	\$ 20.25	—	—	—	—
15③	THQC1115WL④	20.25	THHQC1115WL④	\$ 35.50	TXQC1115WL	\$ 63.50
20③	THQC1120WL④	20.25	THHQC1120WL④	35.50	TXQC1120WL	63.50
25	THQC1125WL④	20.25	THHQC1125WL④	40.50	TXQC1125WL	63.50
30	THQC1130WL④	20.25	THHQC1130WL④	40.50	TXQC1130WL	63.50
35	THQC1135WL④	20.25	THHQC1135WL④	40.50	—	—
40	THQC1140WL④	20.25	THHQC1140WL④	40.50	—	—
45	THQC1145WL④	20.25	THHQC1145WL④	40.50	—	—
50	THQC1150WL④	20.25	THHQC1150WL④	40.50	—	—
60	THQC1160WL④	20.25	THHQC1160WL④	40.50	—	—
70	THQC1170WL	39.00	THHQC1170WL	52.00	—	—

#### Two-Pole, 120/240 Volts ac, Internal Common Trip

10②	TQC2110WL	46.30	—	—	—	—
15	THQC2115WL④	43.50	THHQC2115WL④	83.50	TXQC2115WL	157.00
20	THQC2120WL④	43.50	THHQC2120WL④	83.50	TXQC2120WL	157.00
25	THQC2125WL④	43.50	THHQC2125WL④	83.50	TXQC2125WL	157.00
30	THQC2130WL④	43.50	THHQC2130WL④	83.50	TXQC2130WL	157.00
35	THQC2135WL④	43.50	THHQC2135WL④	83.50	—	—
40	THQC2140WL④	43.50	THHQC2140WL④	83.50	—	—
45	THQC2145WL④	43.50	THHQC2145WL④	83.50	—	—
50	THQC2150WL④	43.50	THHQC2150WL④	83.50	—	—
60	THQC2160WL④	43.50	THHQC2160WL④	83.50	—	—
70	THQC2170WL	83.50	THHQC2170WL	129.00	—	—
80	THQC2180WL	116.00	THHQC2180WL	188.00	—	—
90	THQC2190WL	116.00	THHQC2190WL	188.00	—	—
100	THQC21100WL	116.00	THHQC21100WL	188.00	—	—

#### Two-Pole, 240 Volts ac, Internal Common Trip

10②	TQC22010WL	116.00	—	—	—	—
15	THQC22015WL	116.00	THHQC22015WL	159.00	—	—
20	THQC22020WL	116.00	THHQC22020WL	159.00	—	—
25	THQC22025WL	116.00	THHQC22025WL	159.00	—	—
30	THQC22030WL	116.00	THHQC22030WL	159.00	—	—
35	THQC22035WL	116.00	THHQC22035WL	159.00	—	—
40	THQC22040WL	116.00	THHQC22040WL	159.00	—	—
45	THQC22045WL	116.00	THHQC22045WL	159.00	—	—
50	THQC22050WL	116.00	THHQC22050WL	159.00	—	—
60	THQC22060WL	116.00	THHQC22060WL	159.00	—	—
70	THQC22070WL	152.00	THHQC22070WL	200.00	—	—
80	THQC22080WL	173.00	THHQC22080WL	240.00	—	—
90	THQC22090WL	173.00	THHQC22090WL	240.00	—	—
100	THQC22100WL	173.00	THHQC22100WL	240.00	—	—

#### Three-Pole, 240 Volts ac, Internal Common Trip

10②	TQC32010WL	141.00	—	—	—	—
15	THQC32015WL	141.00	THHQC32015WL	216.00	TXQC32015WL	267.00
20	THQC32020WL	141.00	THHQC32020WL	216.00	TXQC32020WL	267.00
25	THQC32025WL	141.00	THHQC32025WL	216.00	TXQC32025WL	267.00
30	THQC32030WL	141.00	THHQC32030WL	216.00	TXQC32030WL	267.00
35	THQC32035WL	141.00	THHQC32035WL	216.00	—	—
40	THQC32040WL	141.00	THHQC32040WL	216.00	—	—
45	THQC32045WL	141.00	THHQC32045WL	216.00	—	—
50	THQC32050WL	141.00	THHQC32050WL	216.00	—	—
60	THQC32060WL	141.00	THHQC32060WL	216.00	—	—
70	THQC32070WL	178.00	THHQC32070WL	267.00	—	—
80	THQC32080WL	202.00	THHQC32080WL	314.00	—	—
90	THQC32090WL	202.00	THHQC32090WL	314.00	—	—
100	THQC32100WL	202.00	THHQC32100WL	314.00	—	—

① Use additional suffix "BP" (THQC 32020WLBP) for bulk pack of 48 poles. Must be ordered in multiples of 48 poles. Carton weight 20 lbs.

② 5000 AIC.

③ UL listed as SWD (Switching Duty) rated. Suitable for switching 120 Vac fluorescent lighting loads.

④ Suitable for mounting on standard 35mm DIN Rail.



## GE Molded Case Circuit Breakers

# Molded Case Circuit Breakers

*Spectra RMS™, Spectra RMS™ with MicroVersaTrip Plus™ Trip Units, Spectra RMS™ with MicroVersaTrip PM™ Trip Units, Thermal Magnetic and J/K with MicroVersaTrip® RMS-9 and Power+™ 4 Trip Units*

### How to Order

#### Q Line

- Thermal Magnetic Circuit Breakers
- Molded-Case Switches

The catalog number as shown in the following pages includes the complete breaker or switch. TQD and TJD breakers are complete with Cu/Al line and load lugs.

#### Spectra RMS™

- Circuit Breakers

Determine the required breaker frame, IC rating, and load requirements. Select frame, trip unit (rating plug), and lug, if required, catalog numbers from the tables on pages 4-18 and 4-19. Select field-mounted internal accessory catalog numbers, if required, on page 4-47. Select field-mounted external accessory catalog numbers, if required, on pages 4-48 through 4-65. Order as separate items. For Spectra breakers with MicroVersaTrip Plus Trip Units or MicroVersaTrip PM Trip Units refer to page 4-26 through 4-35.

- Mag-Break Motor Circuit Protectors

Determine the required frame and ampere requirements. Select frame, trip unit (rating plug), and lug, if required, catalog numbers from the table on page 4-42. 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, catalog numbers from the table on page 4-20. 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.

#### E 150 Line

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

The catalog numbers as shown in the following pages include the complete breaker or switch. All devices listed come with Cu/Al line and load lugs. If line lugs are not required on a breaker, eliminate "WL" from catalog number; for molded-case switches see page 4-3. Unless otherwise noted, all circuit breakers are UL listed in File E-11592. Molded-case switches are UL listed in File E-57546.

#### F 225 Line

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

These breakers are available with either noninterchangeable trips (designated Type TFJ) or interchangeable trips (designated Types TFK/THFK). When ordering Type TFJ, catalog number includes

complete breaker, trip unit, Cu/Al line and load lugs *factory assembled*. If line lugs are not required on a breaker, eliminate "WL" from catalog number, and subtract price of line lugs from price of complete breaker. If interchangeable trip (Types TFK/THFK) is required order one of two ways. "Complete circuit breaker" price includes frame, trip, Cu/Al line and load lugs. Units will be shipped unassembled unless specified on order "must be factory assembled." If line lugs are not required on a breaker, eliminate "WL" from catalog number, and subtract price of line lugs from price of complete breaker. To order the frame, trip, and lugs separately, select the required components from table. Magnetic breakers must be ordered as components. A complete breaker consists of frame, trip unit, one line lug per pole and one load lug per pole. Price of "Complete Circuit Breaker" vs. ordering frame, trip, and line and load lugs separately is the same.

Molded-case switches can also be ordered as complete units (designated TFK---Y) or as separate components. They are UL listed only as complete units. To indicate required lugs, see page 4-3.

Unless otherwise noted, all circuit breakers are UL listed in File E-11592. Molded-case switches are UL listed in File E-57546.

#### J 600 Line

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

These breakers are available with either noninterchangeable trip (designated Type TJJ) or interchangeable trip (designated Type TJK and THJK). Type TJJ catalog numbers include frame, trip, Cu/Al line, and load lugs *factory assembled*. If line lugs are not required on the breaker, eliminate "WL" from catalog number, and subtract price of line lugs from price of complete breaker.

TJK breakers are available in two frames, 400 ampere frame (125 to 400 amperes) and 600 ampere frame (250 to 600 amperes). Trip units are not interchangeable between frames.

"Complete Circuit Breaker" price includes frame, trip unit, Cu/Al line, and load lugs. Unit will be shipped unassembled unless order specifies "must be factory assembled." If line lugs are not required, eliminate "WL" from catalog number and subtract price of line lugs from price of complete breaker.

To order the frame, trip, and lugs separately, select the required components from table. Magnetic breakers must be ordered as components. A complete breaker consists of frame, trip, and one line and one load lug *per pole*.

Price of ordering "Complete Circuit Breaker" vs. frame, trip, and line and load lugs separately is the same.

Molded-case switches can also be ordered as complete units (designated Type TJK---Y) or as separate components. They are UL listed only as complete units. To indicate required lugs, see page 4-3.

Unless otherwise noted, all circuit breakers are UL listed in File E-11592. Molded-case switches are UL listed in File E-57546.

(continued on next page)

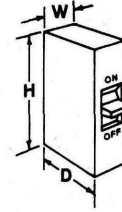


**GE Molded Case Circuit Breakers**

# Molded Case Circuit Breakers

## Quick Reference Guide

Ratings do not apply to molded-case switches



**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 Amps (In Thousands)								Dimensions (In.)						Std. Pack			
					ac Voltage				dc Voltage				H	W	D	A	B	C		E		
					120	120/240	240	277	480	600	125	250										
THQP <sup>Ⓞ</sup>	15-50	1	120/240	—	—	10	—	—	—	—	—	—	3 <sup>3</sup> / <sub>32</sub>	1/2	2 <sup>3</sup> / <sub>8</sub>	—	—	—	—	—	100	
		2												1								50
TQL/TQB/TQC <sup>Ⓞ</sup>	10	1	120/240	—	—	5 <sup>Ⓞ</sup>	—	—	—	—	—	—	3 <sup>3</sup> / <sub>32</sub>	1	2 <sup>3</sup> / <sub>8</sub>	—	—	—	—	—	50	
		2												2								25
		3												3								15
THQL <sup>Ⓞ</sup> THQB <sup>Ⓞ</sup> THQC <sup>Ⓞ</sup>	15-70	1	120/240	—	—	10	—	—	—	—	—	—	3 <sup>3</sup> / <sub>32</sub>	1	2 <sup>3</sup> / <sub>8</sub>	—	—	—	—	50		
	15-125	2												2							25	
	15-100	3												3							15	
THHQB <sup>Ⓞ</sup> THHQC <sup>Ⓞ</sup>	15-70	1	120/240	—	—	22	—	—	—	—	—	—	3 <sup>3</sup> / <sub>32</sub>	1	2 <sup>3</sup> / <sub>8</sub>	—	—	—	—	50		
	15-100	2												2							25	
		3												3							15	
THHQL <sup>Ⓞ</sup>	15-70	1	120/240	—	—	22	—	—	—	—	—	—	3 <sup>3</sup> / <sub>32</sub>	1	2 <sup>3</sup> / <sub>8</sub>	—	—	—	—	50		
	15-125	2												2							25	
	15-100	3												3							15	
TXQL <sup>Ⓞ</sup> TXQB <sup>Ⓞ</sup> TXQC <sup>Ⓞ</sup>	15-30	1	120/240	—	—	65	—	—	—	—	—	—	3 <sup>3</sup> / <sub>32</sub>	1	2 <sup>3</sup> / <sub>8</sub>	—	—	—	—	50		
		2												2							25	
		3												3							15	
TQDL	125-200	2	120/240	—	—	10	—	—	—	—	—	—	—	6 <sup>1</sup> / <sub>16</sub>	2	2 <sup>3</sup> / <sub>8</sub>	—	—	—	—	12	
THQDL	125-200	2	120/240	—	—	22	—	—	—	—	—	—	—	6 <sup>1</sup> / <sub>16</sub>	2	2 <sup>3</sup> / <sub>8</sub>	—	—	—	—	12	
TQD <sup>Ⓞ</sup>	100-225	2	240	—	—	10	10	—	—	—	—	—	—	6 <sup>3</sup> / <sub>16</sub>	2 <sup>3</sup> / <sub>4</sub>	2 <sup>5</sup> / <sub>8</sub>	2 <sup>7</sup> / <sub>16</sub>	2 <sup>7</sup> / <sub>16</sub>	—	—	1	
	100-225	3	240	—	—	—	10	—	—	—	—	—	—	6 <sup>3</sup> / <sub>16</sub>	4 <sup>1</sup> / <sub>8</sub>	2 <sup>5</sup> / <sub>8</sub>	2 <sup>7</sup> / <sub>16</sub>	2 <sup>7</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>16</sub>	2 <sup>7</sup> / <sub>32</sub>	1	
THQD <sup>Ⓞ</sup>	100-225	2	240	—	—	22	22	—	—	—	—	—	—	6 <sup>3</sup> / <sub>16</sub>	2 <sup>3</sup> / <sub>4</sub>	2 <sup>5</sup> / <sub>8</sub>	2 <sup>7</sup> / <sub>16</sub>	2 <sup>7</sup> / <sub>16</sub>	—	—	1	
	100-225	3	240	—	—	—	22	—	—	—	—	—	—	6 <sup>3</sup> / <sub>16</sub>	4 <sup>1</sup> / <sub>8</sub>	2 <sup>5</sup> / <sub>8</sub>	2 <sup>7</sup> / <sub>16</sub>	2 <sup>7</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>16</sub>	2 <sup>7</sup> / <sub>32</sub>	1	
TJD	250-400	2	240	—	—	22	22	—	—	—	—	—	10	10 <sup>3</sup> / <sub>8</sub>	8 <sup>1</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>8</sub>	1 <sup>3</sup> / <sub>16</sub>	1	
		3	240	—	—	—	22	—	—	—	—	—	—	10 <sup>3</sup> / <sub>8</sub>	8 <sup>1</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>8</sub>	1 <sup>3</sup> / <sub>16</sub>	1	

**CB3 (UL File E-51075; Fixed Thermal Magnetic Trip Unit)**

THQB THQC THQL ...GF	15-30	1	120	—	10	—	—	—	—	—	—	—	—	3 <sup>3</sup> / <sub>32</sub>	1	2 <sup>3</sup> / <sub>8</sub>	—	—	—	—	10
		2	120/240	—	—	10	—	—	—	—	—	—	—	—	3 <sup>3</sup> / <sub>32</sub>	2	2 <sup>3</sup> / <sub>8</sub>	—	—	—	10
THHQL ...GF THHQB ...GF	15-30	1	120	—	22	—	—	—	—	—	—	—	—	3 <sup>3</sup> / <sub>32</sub>	1	2 <sup>3</sup> / <sub>8</sub>	—	—	—	—	10

- Ⓞ UL listed as HACR.
- Ⓜ TQL 1215 & TQL 1220, 1-pole, 240 Vac, not UL listed.
- Ⓝ Not UL listed.

**4 MOLDED CASE CIRCUIT BREAKERS**



## GE Molded Case Circuit Breakers

# Q Line Circuit Breakers

Multiterminal Configuration Breakers

### Type TQC, THQC, THQC

10-60 Amps

- 35 mm DIN rail mounting
- Optional front/rear panel mounting kits—THQCFMK, page 4-60.
- Optional load end terminal for up to (4) 0.25-inch quick connects.

Contact local sales office for ring terminal configurations—not DIN rail compatible.

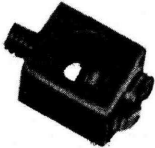
Additional Q Line mounting accessories listed on page 4-60.

### Terminal Configuration

Suffix ①	Line Terminal	Load Terminal
WL	TQAL3	THQEL3
X2	TQAL3	—
LL	—	—
CC	TQAL3	THQECC
None	—	THQEL3



Quick Connector  
THQECC



Load Lug  
THQEL3

Ampere Rating	TQC, THQC 10 KAIC		THQC 22 KAIC		CC Suffix List Price Adder, GO-135B	X2 Suffix List Price Adder, GO-135B
	Catalog Number	List Price, GO-135B	Catalog Number	List Price, GO-135B		

### Single-Pole, 120/240 Volts ac

15 ②	THQC1115LL	\$17.25	THQC1115LL	\$32.50	\$4.00	\$1.50
20 ②	THQC1120LL	17.25	THQC1120LL	32.50		
25	THQC1125LL	17.25	THQC1125LL	37.50		
30	THQC1130LL	17.25	THQC1130LL	37.50		
35	THQC1135LL	17.25	THQC1135LL	37.50		
40	THQC1140LL	17.25	THQC1140LL	37.50		
45	THQC1145LL	17.25	THQC1145LL	37.50		
50	THQC1150LL	17.25	THQC1150LL	37.50		
60	THQC1160LL	17.25	THQC1160LL	37.50		

### Two-Pole, 120/240 Volts ac, Internal Common Trip

15 ②	THQC2115LL	37.50	THQC2115LL	77.50	\$8.00	\$3.00
20 ②	THQC2120LL	37.50	THQC2120LL	77.50		
25	THQC2125LL	37.50	THQC2125LL	77.50		
30	THQC2130LL	37.50	THQC2130LL	77.50		
35	THQC2135LL	37.50	THQC2135LL	77.50		
40	THQC2140LL	37.50	THQC2140LL	77.50		
45	THQC2145LL	37.50	THQC2145LL	77.50		
50	THQC2150LL	37.50	THQC2150LL	77.50		
60	THQC2160LL	37.50	THQC2160LL	77.50		

### Terminal Selection for Multiterminal Configuration Breakers

Ampere Rating	Field Installable		Termination Type	Wire Range AWG
	Catalog Number	List Price, GO-135B		
15-60	TQAL3A	\$1.50	Lug (line only)	14-6 Cu, 12-2 Al
15-60	THQEL3	1.50	Lug (load only)	14-2 Cu, 12-2 Al
15-60	THQECC	2.50	Quick connector (load only)	(4) 14 Cu, or (4) 12 Al

① Use additional suffix "BP" (THQC1120CCBP) for bulk pack of 48 poles. Must be ordered in multiples of 48 poles. Carton weight 20 lbs.

② UL listed as SWD (Switching Duty) rated. Suitable for switching 120 Vac fluorescent lighting loads.