

Load Centers and Circuit Breakers

PowerMark Gold and Plus Load Centers

Section 1

Product Number Guides

Product Number Guide for Load Centers

(Product number for illustrative purposes only)

T	M	42	4	20	C	CU	B
GE Identification							
Type							
M = Main breaker							
L = Main lug							
LM = Convertible							
PL = Main lug (Thermoplastic)							
Maximum Number 1" Spaces							
2, 4, 6...42							
Insert for 3-Phase 4-Wire Load Centers							
						Insert for Specials	
						G or T = Factory installed ground bar	
						B = Bottom feed main breaker	
						FL = Factory installed feed-through lugs	
						D = Optional door for 6-8 circuit panel. (Doors standard on all units 12 circuits or greater)	
						W = White Front	
						Insert for PowerMark Gold	
						CU = Copper Bus	
						42 = Copper Bus Full 42 circuit panel	
						Enclosure Type	
						C = Combination surface/flush	
						F = Flush	
						S = Surface	
						R = Outdoor	
						Bus Ampere Rating	
						40 = 40 Amps 20 = 200 Amps	
						70 = 70 Amps 22 = 225 Amps	
						10 = 100 Amps 30 = 300 Amps	
						12 = 125 Amps 40 = 400 Amps	
						15 = 150 Amps 60 = 600 Amps	

Product Number Guide for Q-Line Plug-in Circuit Breakers

(Product number for illustrative purposes only)

T	H	QL	1	1*	15	GFT	
GE Identification							
Interrupting Rating							
H = 10kAIC							
HH = 22kAIC							
X = 65kAIC							
Type							
QL = 1" plug-in							
QP = 1/2" plug-in							
QB = 1" bolt-on							
Poles (1, 2, 3)							
						Ground Fault/Arc Fault Circuit Interrupter	
						AF2 = 1- & 2-pole Combination Arc Fault Circuit Interrupter	
						GFEP = 1- & 2-pole Ground Fault with Equipment Protection Interrupter-30 mA	
						GFT = 1- & 2-pole Ground Fault with Self-Test Feature Interrupter - 5 mA	
						DF = 1-pole Dual Function GFCI/AFCI Ground Fault & Combination Arc Fault Circuit Interrupter	
						Ampere Rating	
						Voltage	
						1 = 120/240V	
						2 = 240V	

*Omit character for THQP breakers, which are all 120/240V.



Load Centers and Circuit Breakers

Special Purpose Circuit Breakers

Section 1

60°C / 75°F Conductor Rating

Box Type Terminals

Quick-Make, Quick-Break

Multi-pole Breakers Incorporate Internal Common Trip

Arc Fault²

UL Listed
Arc-Fault Circuit Interrupters No. 1699

Ampere Rating	1 Pole, 120/240 Volts ac ¹	
	Product Number	
10,000 AIC	15	THQL1115AF2
	20	THQL1120AF2
22,000 AIC	15	THHQL1115AF2
	20	THHQL1120AF2
Std. Pkg.	10 Cartons of 1	

As of Jan. 1, 2008, 2005 NEC™ requires combination AFCI.

¹Combination AFCI compliant with 2008 NEC™ and later

²For 2-Pole shared neutral applications use two 1-pole circuit breakers with a handle tie. See DET-719 for more details on our Arc Fault products.



Arc Fault

Dual Function GFCI/AFCI Ground Fault & Combination Arc Fault Circuit Breaker

UL Listed (Available December 2014)

Ampere Rating	1 Pole, 120 Volts ac	
	Product Number	
10,000 AIC	15	THQL1115DF
	20	THQL1120DF
22,000 AIC	15	THHQL1115DF
	20	THHQL1120DF
Std. Pkg.	10 Cartons of 1	



THQL1115DF

Ground Fault with Self-Test Feature

cULus
Ground Fault Circuit Interrupters UL943 ed5 (5 milliamperes)

Ampere Rating	1-Pole, 120 Volts ac		2-Pole, 120/240 Volts ac	
	Product Number		Product Number	
10,000 AIC	15	THQL1115GFT	THQL2115GFT	
	20	THQL1120GFT	THQL2120GFT	
	25	THQL1125GFT	THQL2125GFT	
	30	THQL1130GFT	THQL2130GFT	
	40	-	THQL2140GFT ³	
	50	-	THQL2150GFT ³	
22,000 AIC	15	THHQL1115GFT	-	
	20	THHQL1120GFT	-	
	25	THHQL1125GFT	-	
	30	THHQL1130GFT	-	

³ UL & CSA



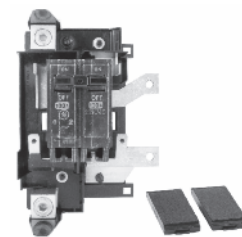
THQL2120GFT

PowerMark Gold Main Circuit Breakers for use with 150A-225A PowerMark Gold Load Centers (Includes mounting base)

UL Listed.

Description	Ampere Rating	Product Number	Lug Size
Main Circuit Breaker Kits 22,000 AIC	100	THQMV100D	1-300 (cu), 2/0-300
	125	THQMV125D	
	150	THQMV150D	
	175	THQMV175D	
	200	THQMV200D	
	225	THQMV225D	

Note: Wire bending rules affect allowed wire sizes when THQMV breakers are installed in an enclosure. For load centers, the wire range will be on the rating label. In addition, refer to the specifications for the main breaker versions of the load center you are considering to review allowed wire ranges when a TLMXX20 load center is converted to main breaker.



THQMV100D with filler plates



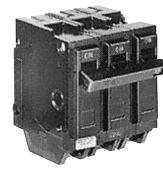
Molded Case Circuit Breakers

Q-Line Circuit Breakers

Plug-in Circuit Breakers
120/240V Class

TQL and THQL 240 Vac, Internal Common Trip

# of Poles	Ampere Rating	Wire Range ¹	240 Vac Interrupting Rating	Product Number
2	10		5kA	TQL22010
2	15	14-8 Cu/12-8 Al	10kA	THQL22015
2	20	14-8 Cu/12-8 Al	10kA	THQL22020
2	25	14-8 Cu/12-8 Al	10kA	THQL22025
2	30	14-8 Cu/12-8 Al	10kA	THQL22030
2	35	8-3 Cu/8-3 Al	10kA	THQL22035
2	40	8-3 Cu/8-3 Al	10kA	THQL22040
2	45	8-3 Cu/8-3 Al	10kA	THQL22045
2	50	8-3 Cu/8-3 Al	10kA	THQL22050
2	60	8-3 Cu/8-3 Al	10kA	THQL22060
2	70	6-1/0 Cu/4-1/0 Al	10kA	THQL22070
2	80	6-1/0 Cu/4-1/0 Al	10kA	THQL22080
2	90	6-1/0 Cu/4-1/0 Al	10kA	THQL22090
2	100	6-1/0 Cu/4-1/0 Al	10kA	THQL22100
3	10		5kA	TQL32010
3	15	14-8 Cu/12-8 Al	10kA	THQL32015
3	20	14-8 Cu/12-8 Al	10kA	THQL32020
3	25	14-8 Cu/12-8 Al	10kA	THQL32025
3	30	14-8 Cu/12-8 Al	10kA	THQL32030
3	35	8-3 Cu/8-3 Al	10kA	THQL32035
3	40	8-3 Cu/8-3 Al	10kA	THQL32040
3	45	8-3 Cu/8-3 Al	10kA	THQL32045
3	50	8-3 Cu/8-3 Al	10kA	THQL32050
3	60	8-3 Cu/8-3 Al	10kA	THQL32060
3	70	6-1/0 Cu/4-1/0 Al	10kA	THQL32070
3	80	6-1/0 Cu/4-1/0 Al	10kA	THQL32080
3	90	6-1/0 Cu/4-1/0 Al	10kA	THQL32090
3	100	6-1/0 Cu/4-1/0 Al	10kA	THQL32100



THQL32015



THQL2120ST1

15-100 ampere UL Listed as HACR (heating, air conditioning and refrigeration).

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

# of Poles	Ampere Rating	Wire Range ¹	240 Vac Interrupting Rating	Product Number
2	15	14-8 Cu/12-8 Al	10kA	THQL2115ST1
2	20	14-8 Cu/12-8 Al	10kA	THQL2120ST1
2	30	14-8 Cu/12-8 Al	10kA	THQL2130ST1
2	35	8-3 Cu/8-3 Al	10kA	THQL2135ST1
2	40	8-3 Cu/8-3 Al	10kA	THQL2140ST1
2	45	8-3 Cu/8-3 Al	10kA	THQL2145ST1
2	50	8-3 Cu/8-3 Al	10kA	THQL2150ST1
2	60	8-3 Cu/8-3 Al	10kA	THQL2160ST1
2	70	6-1/0 Cu/4-1/0 Al	10kA	THQL2170ST1
2	80	6-1/0 Cu/4-1/0 Al	10kA	THQL2180ST1
2	90	6-1/0 Cu/4-1/0 Al	10kA	THQL2190ST1
2	100	6-1/0 Cu/4-1/0 Al	10kA	THQL21100ST1
3	20	14-8 Cu/12-8 Al	10kA	THQL32020ST1
3	30	14-8 Cu/12-8 Al	10kA	THQL32030ST1
3	40	8-3 Cu/8-3 Al	10kA	THQL32040ST1
3	50	8-3 Cu/8-3 Al	10kA	THQL32050ST1
3	60	8-3 Cu/8-3 Al	10kA	THQL32060ST1
3	70	6-1/0 Cu/4-1/0 Al	10kA	THQL32070ST1
3	80	6-1/0 Cu/4-1/0 Al	10kA	THQL32080ST1
3	90	6-1/0 Cu/4-1/0 Al	10kA	THQL32090ST1
3	100	6-1/0 Cu/4-1/0 Al	10kA	THQL32100ST1



THQL32020ST1

THQL and THHQL Vac Arc Fault

# of Poles	Ampere Rating	Wire Range ¹	120/240 Vac Interrupting Rating	Product Number
1	15	14-10 Cu/14-10 Al	10kA	THQL1115AF2 ²
1	20	14-10 Cu/14-10 Al	10kA	THQL1120AF2 ²
1	15	14-10 Cu/14-10 Al	22kA	THHQL1115AF2 ²
1	20	14-10 Cu/14-10 Al	22kA	THHQL1120AF2 ²



THQL1115AF2

Dual Function GFCI/AFCI Ground Fault & Combination Arc Fault Circuit Breaker

(Available December 2014)

# of Poles	Ampere Rating	Wire Range ¹	120 Vac Interrupting Rating	Product Number
1	15	14-8 Cu/12-8 Al	10kA	THQL1115DF
1	20	14-8 Cu/12-8 Al	10kA	THQL1120DF
1	15	14-8 Cu/12-8 Al	22kA	THHQL1115DF
1	20	14-8 Cu/12-8 Al	22kA	THHQL1120DF

¹Solid or stranded for 14-10 AWG.

²Combination AFCI compliant with NEC 2008 and later.

