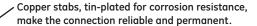
Section 1

Load Centers and Circuit Breakers O-Line Circuit Breakers

Reliability and Economy

Special Purpose Circuit Breakers

- -PowerMark Gold Main Circuit Breakers
- —Arc Fault Circuit Interrupter
- Dual Function GFCI/AFCI Ground Fault
 & Combination Arc Fault Circuit Breaker
- —Ground Fault with Self-Test Feature
- —Ground Fault with Equipment Protection
- -Switching Neutral
- -HID Lighting Breaker
- —High Magnetic Breaker
- -Molded Case Switch
- -Surge Arrester
- -TQ Breaker

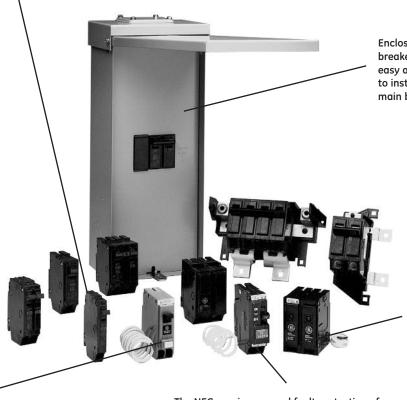


Heat-resistant thermoset cases and covers add stability and structural rigidity.

Trips are easy to spot because handles trip to the center position.

The dedicated calibration screw is cemented (not simply papered over) to prevent shifting. The result is stable calibration for optimum trip performance.

At 1/2", THQP breakers are half the width of standard breakers, permitting the use of smaller load centers that save money and space in both new construction and service upgrades. They feature the same high-performance design, and meet the same stringent standards as other Q-Line breakers. Our 1" THQL will remain the breaker of choice for many contractors. In applications where space and cost are not critical, they're an excellent choice. But when size and money are driving considerations, THQP breakers are the smart choice.



Enclosed circuit breakers make it easy and efficient to install exterior main breakers.

> THQLSURGE surge arresters are easy to install and protect the whole house – computers, fax machines, televisions, stereos, VCRs and other sensitive electronic equipment – from destructive surges.

against all-too-common electrical fires comes from the new technology built into GE's arc fault circuit interrupters (AFCIs). With its ability to detect and interrupt arcing caused by damaged wire insulation or a frayed extension cord, the AFCI takes home and family protection to a new, higher level.

Maximum protection

The NEC requires ground fault protection of receptacles outdoors and in garages, bathrooms and spa areas. These ground fault circuit interrupters eliminate the need for separate GFCI receptacles, protect against short circuits and overloads, and prevent shock by detecting very low levels of current leaks and immediately shutting off power to the circuit.

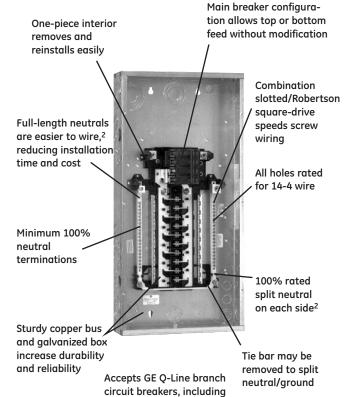


Load Centers and Circuit Breakers PowerMark Gold Load Centers

Highest Quality and Convenience

PowerMark Gold load centers lower your costs by making installation faster and easier, increasing application flexibility and reducing inventory requirements. At the same time, they deliver obvious and significant advances in design, function and quality.

- -UL Listed (Panelboards No. 67)
- —Suitable for Use as Service Entrance Equipment when installed in accordance with National Electrical Code
- -60°C/75°C Conductor Ratina
- -Single phase, 40-225A, 2-42 circuits
- -Main lug models field convertible to main breaker
- -Main breaker 22kAIC standard factory installed
- -All load centers top or bottom feed
- -Indoor and outdoor rated enclosures
- -Indoor fronts combination surface/flush
- -Copper bus with tin plating standard¹
- —Split neutrals extend the full length of the interior for ease of wiring
- -Entire main lug line converts easily to main breaker
- -Combination surface/flush front with spring-reinforced pan
- -Combination slotted/Robertson square-drive screws on neutral,² around, front and breaker luas
- -Front packed in inner carton for added protection
- -Field installable feed-through lugs up to 200A
- -Straight-through main wiring
- -Main breaker is clearly marked and circuit numbers are stamped
- —Isolated ground bar is available
- —Compact box maintains optimum wire-bending space

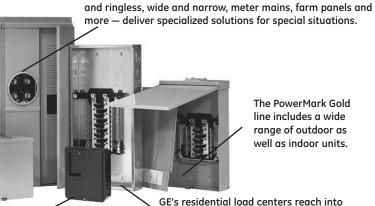


GE's exclusive 1/2" THQPs

A complete family of meter socket load centers — ring style

Packaging features comprehensive selection and application data. Fronts are packed in inner cartons for added protection during shipment and at the job site.

to main breaker.



The PowerMark Gold line includes a wide range of outdoor as well as indoor units.

1-3

Section 1

GE's residential load centers reach into commercial applications as well, with riser panels, auxiliary gutters, three-phase units with standard 22kAIC ratings, and all the accessories needed to complete the job.

Accessories and Options

- -Door lock and handle
- -Equipment ground kits
- —Sub-feed and feed-thru lugs
- -Front filler plates -Handle lock and ties
- -Hardware kits
- -Main breaker retainers
- -Neutral kits

Main lug load centers offer an economical

solution for subpanels and similar applications.

All main lug units 125A and above convert easily

—Universal raintight hubs

Safety accessories – convenient and easy to install

- -THQLSURGE whole house surge protector
- —Arc fault circuit interrupter breaker, 1- or 2-pole
- -Ground fault circuit interrupter breaker, 5mA and 30mA
- -Generator transfer panel 30A or 60A, indoor or outdoor
- -GE AC disconnects

¹Three-phase PowerMark Plus load centers have aluminum bus with copper breaker mounting stabs.

²16 circuit and above



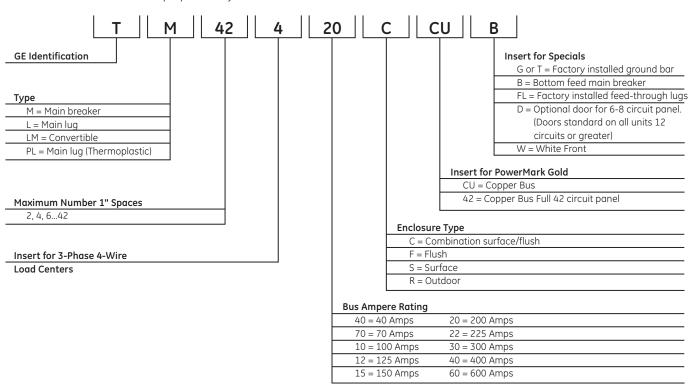
www.geindustrial.com BuyLog™ Catalog

Load Centers and Circuit Breakers PowerMark Gold and Plus Load Centers

Product Number Guides

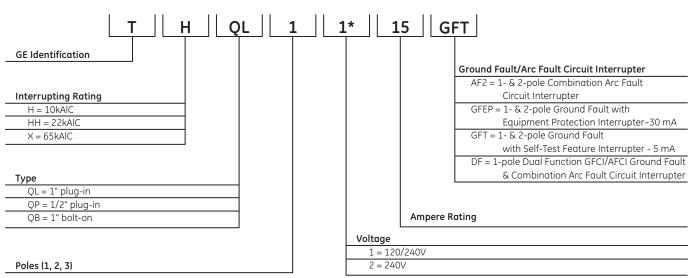
Product Number Guide for Load Centers

(Product number for illustrative purposes only)



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

(Product number for illustrative purposes only)



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



Load Centers and Circuit Breakers Q-Line Plug-in Circuit Breakers

UL Listed (Molded Case Circuit Breakers No. 489)
Federal Government Specification Qualified (WC-375B)
60°C / 75°C Conductor Rating
Quick Make, Quick Break
Box Type Terminals

Q-Line Plug-in Circuit Breakers Specifications

		Wire Size A	WG/kcmil ¹	
Breaker Type	Ampere Rating	Cu	Al	
THOD	15-25	14-8	12-8	
THQP	30-50	8-4	8-4	
TUOL	15-30	14-8	12-8	
THQL	35-60	8-3	8-3	
THHQL	70-100	6-1/0	4-1/0	
TXQL	110-125	2-2/0	2-2/0	

 $^{^{1}}$ Solid or stranded for 14-10 AWG

THQP130



THQP230



Section 1

THOL112



THQL2140



THQL32015

Q-Line Plug-in Circuit Breakers

	10,000AIC			22,000AIC		65,000AIC
	Type THQP 1/2-inch Module	Type THQL 1-	inch Module	Type THHQL 1-	inch Module	Type TXQL 1-inch Module
120/240 Vac	120/240 Vac	120/240 Vac	240 Vac	120/240 Vac	240 Vac	120/240 Vac
Ampere Rating	Product Number	Product Number	Product Number	Product Number	Product Number	Product Number
Single Pole ¹						
15 ²	THOP115	THQL1115		THHQL1115		TXQL1115
202	THOP120	THQL1113	_	THHQL1120		TXQL1113
25	THQP125	THQL1125		THHQL1125		TXQL1125
30	THQP130	THQL1123	_	THHQL1130		TXQL1123
35	THQP135	THQL1135	_	THHQL1135		- -
40	THQP140	THQL1140	_	THHQL1140		_
45	THQP145	THQL1145	_	THHQL1145		_
50	THQP150	THQL1145	_	THHQL1150		_
Std. Pkg.	5 cartons of 20	5 cartons of 10	_	5 cartons of 10		5 cartons of 10
Two Polo3: In	corporates Internal Common Trip	Par				
15	THOP215	THQL2115	THQL220154	THHQL2115	THHQL22015 ⁴	TXQL2115
20	THQP220	THQL2120	THQL22020 ⁴	THHQL2120	THHQL22020 ⁴	TXQL2120
25	THQP225	THQL2125	THQL22025 ⁴	THHQL2125	THHQL22025 ⁴	TXQL2125
30	THQP230	THQL2130	THQL22030 ⁴	THHQL2130	THHQL22030 ⁴	TXQL2130
35	THQP235	THQL2135	THOL22035 ⁴	THHOL2135	THHOL22035 ⁴	-
40	THOP240	THQL2140	THQL22040 ⁴	THHQL2140	THHQL22040 ⁴	_
45	THQP245	THQL2145	THQL22045 ⁴	THHQL2145	THHQL22045 ⁴	_
50	THOP250	THQL2150	THOL22050 ⁴	THHQL2150	THHOL22050 ⁴	_
60	-	THQL2160	THQL22060 ⁴	THHQL2160	THHQL22060 ⁴	_
70	-	THQL2170	THQL22070 ⁴	THHQL2170	THHQL22070 ⁴	_
80	_	THQL2180	THQL22080 ⁴	THHQL2180	THHQL22080 ⁴	_
90	_	THQL2190	THQL22090 ⁴	THHQL2190	THHQL22090 ⁴	_
100	_	THQL21100	THOL22100 ⁴	THHOL21100	THHQL22100 ⁴	_
110	_	THQL21110	_ `	THHQL21110	_	_
125	-	THQL21125	_	THHQL21125	-	_
Std. Pkg.	5 cartons of 10	5 cartons of 5	5 cartons of 5	5 cartons of 5	5 cartons of 5	5 cartons of 5
Three-Pole ³ : I	ncorporates Internal Common Tr	ip Bar				
15		_	THQL32015	_	THHQL32015	TXQL32015
20	_	_	THQL32020	_	THHQL32020	TXQL32020
25	-	_	THQL32025	_	THHQL32025	TXQL32025
30	_	_	THQL32030	_	THHQL32030	TXQL32030
35	_	_	THQL32035	_	THHQL32035	_
40	_	_	THQL32040	_	THHQL32040	_
45	-	_	THQL32045	-	THHQL32045	-
50	-	-	THQL32050	-	THHQL32050	-
60	-	_	THQL32060	-	THHQL32060	_
70	-	_	THQL32070	-	THHQL32070	-
80	-	-	THQL32080	-	THHQL32080	-
90	-	-	THQL32090	-	THHQL32090	-
100	-	-	THQL32100	-	THHQL32100	-
Std. Pkg.			5 cartons of 3		5 cartons of 3	5 cartons of 3

 $^{^{1}}$ UL Listed as HACR (heating, air conditioning and refrigeration).

References:

Accessories Pages	1-24 thru 1-29
Auxiliary Switches and Shunt Trips	BuyLog pages 6-40 thru 6-42

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²UL Listed as SWD (switching duty). Suitable for 120 volts ac fluorescent lighting loads

 $^{^3}$ 15-100 amp UL Listed as HACR (heating air conditioning and refrigeration).

⁴Required for three-phase and High Leg Delta Systems only.

Section 1

Load Centers and Circuit Breakers Special Purpose Circuit Breakers

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

	1 Pole, 120/240 Volts ac ¹
Ampere Rating	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

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

UL Listed (Available December 2014)

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

Ground Fault with Self-Test Feature

Ground Fault Circuit Interrupters UL943 ed5 (5 milliamperes)

	1-Pole, 120 Volts ac	2-Pole, 120/240 Volts ac
Ampere Rating	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

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
	100	THQMV100D	
	125	THQMV125D	
Main Circuit Breaker Kits	150	THQMV150D	1-300 (cu),
22,000 AIC	175	THQMV175D	2/0-300
	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.



Arc Fault



THQL1115DF



THQL2120GFT



THQMV100D with filler plates



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.

Load Centers and Circuit Breakers Special Purpose Circuit Breakers

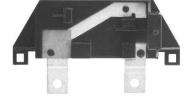
60°C / 75°F Conductor Rating
Box Type Terminals
Quick-Make, Quick-Break
Multi-pole Breakers Incorporate Internal Common Trip

PowerMark Gold Main Circuit Breaker Kit

For use with 125A PowerMark Gold load Centers; 22kAIC RMS symmetrical.

Description	Product Number
Main Circuit Breaker Kit - Order appropriate THQL 10kAIC or THHQL 22kAIC breakers separately	TQMH000 ¹

¹Please review the footnotes listed with the individual Load Center product numbers for proper parts needed to convert to a main circuit breaker. This main breaker base is only applicable for 16 circuit and larger 125 amp load centers, 12 circuit load centers with A C24 suffix, and the TLM812RCU2.



TQMH000

Ground Fault with Equipment Protection

cULus

Ground Fault Circuit Interrupters No. 943 30 milliampere ground fault trip level

	1-Pole, 120 voits ac	2-Pole, 120/240 voits uc
Ampere Rating	Product Number	Product Number
10,000 AIC		
15	THQL1115GFEP	THQL2115GFEP
20	THQL1120GFEP	THQL2120GFEP
30	THQL1130GFEP	THQL2130GFEP
Std. Pkg.	10 Cartons of 1	10 Cartons of 1

Switching Neutral

UL Listed. 10kAIC RMS symmetrical.

Standard 1- or 2-pole automatic breaker plus one fully-rated, non-automatic pole.

	1-Pole Plus Switching Neutral 120/240 Volts ac	2-Pole Plus Switching Neutral 120/240 Volts ac	
Ampere Rating	Product Number	Product Number	
15	THQL21WY15	THQL31WY15	
20	THQL21WY20	THQL31WY20	
25	THQL21WY25	THQL31WY25	
30	THQL21WY30	THQL31WY30	
Std. Pkg.	5 cartons of 5	5 cartons of 3	



UL Listed as HID. HID breakers have been designed to handle the current and voltage spikes that result when gaseous discharge lamps, including fluorescent and HID lamps, are switched on and off.

		1-Pole, 120/240 Volts ac	2-Pole, 120/240 Volts ac
	Ampere Rating	Product Number	Product Number
10,000 AIC			
	15	THQL1115HID ²	THQL2115HID
	20	THQL1120HID ²	THQL2120HID
	30	THQL1130HID	THQL2130HID
22,000 AIC			
	15	THHQL1115HID ²	THHQL2115HID
	20	THHQL1120HID ²	THHQL2120HID
	30	THHQL1130HID	THHQL2130HID
Std. Pkg.		5 cartons of 10	5 cartons of 5

 $^{^2}$ UL Listed as SWD (switching duty). Suitable for 120 volts ac fluorescent lighting loads.

High Magnetic

UL Listed. 10kAIC RMS symmetrical

High short circuit setting suitable for circuits with inherent high-inrush load currents.

	1-Pole, 120/240 Volts ac
Ampere Rating	Product Number
15	THQL1115HM
20	THQL1120HM
25	THQL1125HM
30	THQL1130HM
40	THQL1140HM
50	THQL1150HM
Std. Pkg.	5 cartons of 10



THQL21WY30



THQL2120HID



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