

# 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)

<b>T</b>	<b>M</b>	<b>42</b>	<b>4</b>	<b>20</b>	<b>C</b>	<b>CU</b>	<b>B</b>
<b>GE Identification</b>							
<b>Type</b>							
M = Main breaker							
L = Main lug							
LM = Convertible							
PL = Main lug (Thermoplastic)							
<b>Maximum Number 1" Spaces</b>							
2, 4, 6...42							
<b>Insert for 3-Phase 4-Wire Load Centers</b>							
						<b>Insert for Specials</b>	
						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	
						<b>Insert for PowerMark Gold</b>	
						CU = Copper Bus	
						42 = Copper Bus Full 42 circuit panel	
						<b>Enclosure Type</b>	
						C = Combination surface/flush	
						F = Flush	
						S = Surface	
						R = Outdoor	
						<b>Bus Ampere Rating</b>	
						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)

<b>T</b>	<b>H</b>	<b>QL</b>	<b>1</b>	<b>1*</b>	<b>15</b>	<b>GFT</b>	
<b>GE Identification</b>							
<b>Interrupting Rating</b>							
H = 10kAIC							
HH = 22kAIC							
X = 65kAIC							
<b>Type</b>							
QL = 1" plug-in							
QP = 1/2" plug-in							
QB = 1" bolt-on							
<b>Poles (1, 2, 3)</b>							
						<b>Ground Fault/Arc Fault Circuit Interrupter</b>	
						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	
						<b>Ampere Rating</b>	
						<b>Voltage</b>	
						1 = 120/240V	
						2 = 240V	

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



# Load Centers and Circuit Breakers

## Q-Line Plug-in Circuit Breakers

# Section 1

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



THQP130



THQP230



THQL1120



THQL2140



THQL32015

### Q-Line Plug-in Circuit Breakers Specifications

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

<sup>1</sup>Solid or stranded for 14-10 AWG

### Q-Line Plug-in Circuit Breakers

120/240 Vac Ampere Rating	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	240 Vac	120/240 Vac	240 Vac	120/240 Vac
	Product Number	Product Number	Product Number	Product Number	Product Number	Product Number
Single Pole <sup>1</sup>						
15 <sup>2</sup>	THQP115	THQL1115	-	THHQL1115	-	TXQL1115
20 <sup>2</sup>	THQP120	THQL1120	-	THHQL1120	-	TXQL1120
25	THQP125	THQL1125	-	THHQL1125	-	TXQL1125
30	THQP130	THQL1130	-	THHQL1130	-	TXQL1130
35	THQP135	THQL1135	-	THHQL1135	-	-
40	THQP140	THQL1140	-	THHQL1140	-	-
45	THQP145	THQL1145	-	THHQL1145	-	-
50	THQP150	THQL1150	-	THHQL1150	-	-
Std. Pkg.	5 cartons of 20	5 cartons of 10		5 cartons of 10		5 cartons of 10

#### Two-Pole<sup>3</sup>: Incorporates Internal Common Trip Bar

15	THQP215	THQL2115	THQL22015 <sup>4</sup>	THHQL2115	THHQL22015 <sup>4</sup>	TXQL2115
20	THQP220	THQL2120	THQL22020 <sup>4</sup>	THHQL2120	THHQL22020 <sup>4</sup>	TXQL2120
25	THQP225	THQL2125	THQL22025 <sup>4</sup>	THHQL2125	THHQL22025 <sup>4</sup>	TXQL2125
30	THQP230	THQL2130	THQL22030 <sup>4</sup>	THHQL2130	THHQL22030 <sup>4</sup>	TXQL2130
35	THQP235	THQL2135	THQL22035 <sup>4</sup>	THHQL2135	THHQL22035 <sup>4</sup>	-
40	THQP240	THQL2140	THQL22040 <sup>4</sup>	THHQL2140	THHQL22040 <sup>4</sup>	-
45	THQP245	THQL2145	THQL22045 <sup>4</sup>	THHQL2145	THHQL22045 <sup>4</sup>	-
50	THQP250	THQL2150	THQL22050 <sup>4</sup>	THHQL2150	THHQL22050 <sup>4</sup>	-
60	-	THQL2160	THQL22060 <sup>4</sup>	THHQL2160	THHQL22060 <sup>4</sup>	-
70	-	THQL2170	THQL22070 <sup>4</sup>	THHQL2170	THHQL22070 <sup>4</sup>	-
80	-	THQL2180	THQL22080 <sup>4</sup>	THHQL2180	THHQL22080 <sup>4</sup>	-
90	-	THQL2190	THQL22090 <sup>4</sup>	THHQL2190	THHQL22090 <sup>4</sup>	-
100	-	THQL21100	THQL22100 <sup>4</sup>	THHQL21100	THHQL22100 <sup>4</sup>	-
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<sup>3</sup>: Incorporates Internal Common Trip 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

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

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

<sup>3</sup>15-100 amp UL Listed as HACR (heating air conditioning and refrigeration).

<sup>4</sup>Required for three-phase and High Leg Delta Systems only.

#### References:

Accessories Pages	1-24 thru 1-30
Auxiliary Switches and Shunt Trips	BuyLog pages 6-40 thru 6-42



# Molded Case Circuit Breakers

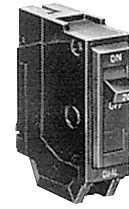
## Q-Line Circuit Breakers

# Section 6

Plug-in Circuit Breakers  
120/240V Class

### TQL and THQL 120/240 Vac

# of Poles	Ampere Rating	Wire Range <sup>1</sup>	120/240 Vac Interrupting Rating	Product Number
1	10 <sup>4</sup>		5kA	TQL1110
1	15 <sup>2</sup>	(1) 14-8 Cu/12-8 Al	10kA	THQL1115
1	20 <sup>2</sup>	(1) 14-8 Cu/12-8 Al	10kA	THQL1120
1	25	(1) 14-8 Cu/12-8 Al	10kA	THQL1125
1	30	(1) 14-8 Cu/12-8 Al	10kA	THQL1130
1	35	(1) 8-3 Cu/8-3 Al	10kA	THQL1135
1	40	(1) 8-3 Cu/8-3 Al	10kA	THQL1140
1	45	(1) 8-3 Cu/8-3 Al	10kA	THQL1145
1	50	(1) 8-3 Cu/8-3 Al	10kA	THQL1150
1	60	(1) 8-3 Cu/8-3 Al	10kA	THQL1160
1	70	(1) 6-1/0 Cu/4-1/0 Al	10kA	THQL1170



THQL1120

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

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

### TQL and THQL 120/240 Vac, Internal Common Trip

# of Poles	Ampere Rating	Wire Range <sup>1</sup>	120/240 Vac Interrupting Rating	Product Number
2	10 <sup>4</sup>		5kA	TQL2110
2	15	(1) 14-8 Cu/12-8 Al	10kA	THQL2115
2	20	(1) 14-8 Cu/12-8 Al	10kA	THQL2120
2	25	(1) 14-8 Cu/12-8 Al	10kA	THQL2125
2	30	(1) 14-8 Cu/12-8 Al	10kA	THQL2130
2	35	(1) 8-3 Cu/8-3 Al	10kA	THQL2135
2	40	(1) 8-3 Cu/8-3 Al	10kA	THQL2140
2	45	(1) 8-3 Cu/8-3 Al	10kA	THQL2145
2	50	(1) 8-3 Cu/8-3 Al	10kA	THQL2150
2	60	(1) 8-3 Cu/8-3 Al	10kA	THQL2160
2	70	(1) 6-1/0 Cu/4-1/0 Al	10kA	THQL2170
2	80	(1) 6-1/0 Cu/4-1/0 Al	10kA	THQL2180
2	90	(1) 6-1/0 Cu/4-1/0 Al	10kA	THQL2190
2	100	(1) 6-1/0 Cu/4-1/0 Al	10kA	THQL21100
2	110	(1) 2-2/0 Cu/2-2/0 Al	10kA	THQL21110
2	125	(1) 2-2/0 Cu/2-2/0 Al	10kA	THQL21125 <sup>3</sup>



THQL1130ST1

### THQP 120/240 Vac

# of Poles	Ampere Rating	Wire Range <sup>1</sup>	120/240 Vac Interrupting Rating	Product Number
1	15	14-8 Cu/12-8 Al	10kA	THQP115
1	20	14-8 Cu/12-8 Al	10kA	THQP120
1	25	14-8 Cu/12-8 Al	10kA	THQP125
1	30	8-4 Cu/8-4 Al	10kA	THQP130
1	35	8-4 Cu/8-4 Al	10kA	THQP135
1	40	8-4 Cu/8-4 Al	10kA	THQP140
1	45	8-4 Cu/8-4 Al	10kA	THQP145
1	50	8-4 Cu/8-4 Al	10kA	THQP150



THQP130

### THQP 120/240 Vac, Internal Common Trip

# of Poles	Ampere Rating	Wire Range <sup>1</sup>	120/240 Vac Interrupting Rating	Product Number
2	15	14-8 Cu/12-8 Al	10kA	THQP215
2	20	14-8 Cu/12-8 Al	10kA	THQP220
2	25	14-8 Cu/12-8 Al	10kA	THQP225
2	30	8-4 Cu/8-4 Al	10kA	THQP230
2	35	8-4 Cu/8-4 Al	10kA	THQP235
2	40	8-4 Cu/8-4 Al	10kA	THQP240
2	45	8-4 Cu/8-4 Al	10kA	THQP245
2	50	8-4 Cu/8-4 Al	10kA	THQP250



THQP230

<sup>1</sup>Solid or stranded for 14-10 AWG.

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

<sup>3</sup>Recommended for use as main or submain breaker only.

<sup>4</sup>Not UL listed.

UL listed as HACR (heating, air conditioning and refrigeration).

