

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 later²For 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

UL Listed

Ground Fault Circuit Interrupters No. 943.

Class A (5 milliamperes ground fault trip level).

Ampere Rating	1-Pole, 120 Volts ac		2-Pole, 120/240 Volts ac	
	Product Number		Product Number	
10,000 AIC	15	THQL1115GF	THQL2115GF1	
	20	THQL1120GF	THQL2120GF1	
	30	THQL1130GF	THQL2130GF1	
	40	-	THQL2140GF1	
	50	-	THQL2150GF1	
22,000 AIC	15	THHQL1115GF	-	
	20	THHQL1120GF	-	
	30	THHQL1130GF	-	
Std. Pkg.	10 cartons of 1		10 cartons of 1	



THQL1120GF

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	-	

THQL2150GFT

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
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

Section 6

Plug-in Circuit Breakers
240V Class

THQL and THHQL 120 Vac, Ground Fault Circuit Interrupters

# of Poles	Ampere Rating	Wire Range ¹	120 Vac Interrupting Rating	Product Number
1	15	14-8 Cu/12-8 Al	10kA	THQL1115GF
1	20	14-8 Cu/12-8 Al	10kA	THQL1120GF
1	30	14-8 Cu/12-8 Al	10kA	THQL1130GF
1	15	14-8 Cu/12-8 Al	22kA	THHQL1115GF
1	20	14-8 Cu/12-8 Al	22kA	THHQL1120GF
1	30	14-8 Cu/12-8 Al	22kA	THHQL1130GF

THQL and THHQL 120/240 Vac or 208Y/120 Vac, Ground Fault Circuit Interrupters Internal Common Trip

# of Poles	Ampere Rating	Wire Range ¹	120/240 Vac Interrupting Rating	Product Number
2	15	14-8 Cu/12-8 Al	10kA	THQL2115GF1
2	20	14-8 Cu/12-8 Al	10kA	THQL2120GF1
2	30	14-8 Cu/12-8 Al	10kA	THQL2130GF1
2	40	8-3 Cu/8-3 Al	10kA	THQL2140GF1
2	50	8-3 Cu/8-3 Al	10kA	THQL2150GF1

THQL and THHQL 120 Vac, Equipment Protection Ground Fault Circuit Breakers Internal Common Trip

# of Poles	Ampere Rating	Wire Range ¹	120 Vac Interrupting Rating	Product Number
1	15	14-8 Cu/12-8 Al	10kA	THQL1115GFEP
1	20	14-8 Cu/12-8 Al	10kA	THQL1120GFEP
1	30	14-8 Cu/12-8 Al	10kA	THQL1130GFEP

THQL and THHQL 120/240 Vac or 208Y/120 Vac, Equipment Protection Ground Fault Circuit Breakers

# of Poles	Ampere Rating	Wire Range ¹	120/240 Vac or 208Y/120 Vac Interrupting Rating	Product Number
2	15	14-8 Cu/12-8 Al	10kA	THQL2115GFEP
2	20	14-8 Cu/12-8 Al	10kA	THQL2120GFEP
2	30	14-8 Cu/12-8 Al	10kA	THQL2130GFEP

THQL and THHQL 120/240 Vac, High Intensity Discharge Lighting Loads

# of Poles	Ampere Rating	Wire Range ¹	120/240 Vac Interrupting Rating	Product Number
1	15	14-8 Cu/12-8 Al	10kA	THQL1115HID ²
1	20	14-8 Cu/12-8 Al	10kA	THQL1120HID ²
1	25	14-8 Cu/12-8 Al	10kA	THQL1125HID
1	30	14-8 Cu/12-8 Al	10kA	THQL1130HID
1	15	14-8 Cu/12-8 Al	22kA	THHQL1115HID ²
1	20	14-8 Cu/12-8 Al	22kA	THHQL1120HID ²
1	25	14-8 Cu/12-8 Al	22kA	THHQL1125HID
1	30	14-8 Cu/12-8 Al	22kA	THHQL1130HID

UL listed as HID.

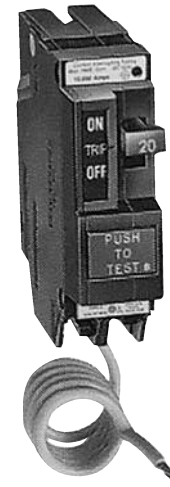
THQL and THHQL 120/240 Vac, Internal Common Trip For High Intensity Discharge Lighting Loads

# of Poles	Ampere Rating	Wire Range ¹	120/240 Vac Interrupting Rating	Product Number
2	15	14-8 Cu/12-8 Al	10kA	THQL2115HID
2	20	14-8 Cu/12-8 Al	10kA	THQL2120HID
2	25	14-8 Cu/12-8 Al	10kA	THQL2125HID
2	30	14-8 Cu/12-8 Al	10kA	THQL2130HID
2	15	14-8 Cu/12-8 Al	22kA	THHQL2115HID
2	20	14-8 Cu/12-8 Al	22kA	THHQL2120HID
2	25	14-8 Cu/12-8 Al	22kA	THHQL2125HID
2	30	14-8 Cu/12-8 Al	22kA	THHQL2130HID

UL listed as HID.

¹Solid or stranded for 14-10 AWG.

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



THQL1120GF



THQL2120HID



Molded Case Circuit Breakers

Q-Line Circuit Breakers

Plug-in Circuit Breakers
240V Class

THQL 120/240 Vac, High In-Rush Loads

# of Poles	Ampere Rating	Wire Range ¹	120/240 Vac Interrupting Rating	Product Number
1	15	14-8 Cu/12-8 Al	10kA	THQL1115HM
1	20	14-8 Cu/12-8 Al	10kA	THQL1120HM
1	25	14-8 Cu/12-8 Al	10kA	THQL1125HM
1	30	14-8 Cu/12-8 Al	10kA	THQL1130HM
1	40	8-3 Cu/8-3 Al	10kA	THQL1140HM
1	50	8-3 Cu/8-3 Al	10kA	THQL1150HM



THQL 120 Vac, For Factory Installed Shunt Trip^{2,3} Internal Common Trip

# of Poles	Ampere Rating	Wire Range ¹	120 Vac Interrupting Rating	Product Number
3	20	14-8 Cu/12-8 Al	10kA	THQL32020ST1

THQL1120HM

THQL 120/240 Vac, Thermal Magnetic Pole plus Nonautomatic Pole For Switching Neutral

# of Poles	Ampere Rating	Wire Range ¹	120/240 Vac Interrupting Rating	Product Number
2	15	14-8 Cu/12-8 Al	10kA	THQL21WY15
2	20	14-8 Cu/12-8 Al	10kA	THQL21WY20
2	25	14-8 Cu/12-8 Al	10kA	THQL21WY25
2	30	14-8 Cu/12-8 Al	10kA	THQL21WY30
3	15	14-8 Cu/12-8 Al	10kA	THQL31WY15
3	20	14-8 Cu/12-8 Al	10kA	THQL31WY20
3	25	14-8 Cu/12-8 Al	10kA	THQL31WY25
3	30	14-8 Cu/12-8 Al	10kA	THQL31WY30



THLK2125

¹Solid or stranded for 14-10 AWG.

²For additional shunt trip offerings see page 6-41.

³UL listed as HACR (heating, air conditioning and refrigeration).



Molded Case Circuit Breakers

Q-Line Circuit Breakers

Section 6

Plug-in Circuit Breakers
240V Class

THHQL 120 Vac

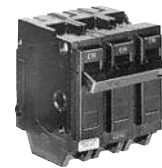
# of Poles	Ampere Rating	Wire Range ¹	120 Vac Interrupting Rating	Product Number
1	15	14-8 Cu/12-8 Al	22kA	THHQL1115 ²
1	20	14-8 Cu/12-8 Al	22kA	THHQL1120 ²
1	25	14-8 Cu/12-8 Al	22kA	THHQL1125
1	30	8-3 Cu/8-3 Al	22kA	THHQL1130
1	35	8-3 Cu/8-3 Al	22kA	THHQL1135
1	40	8-3 Cu/8-3 Al	22kA	THHQL1140
1	45	8-3 Cu/8-3 Al	22kA	THHQL1145
1	50	8-3 Cu/8-3 Al	22kA	THHQL1150
1	60	8-3 Cu/8-3 Al	22kA	THHQL1160
1	70	6-1/0 Cu/4-1/0 Al	22kA	THHQL1170



THHQL1120

THHQL 120/240 Vac, Internal Common Trip

# of Poles	Ampere Rating	Wire Range ¹	120/240 Vac Interrupting Rating	Product Number
2	15	14-8 Cu/12-8 Al	22kA	THHQL2115
2	20	14-8 Cu/12-8 Al	22kA	THHQL2120
2	25	14-8 Cu/12-8 Al	22kA	THHQL2125
2	30	8-3 Cu/8-3 Al	22kA	THHQL2130
2	35	8-3 Cu/8-3 Al	22kA	THHQL2135
2	40	8-3 Cu/8-3 Al	22kA	THHQL2140
2	45	8-3 Cu/8-3 Al	22kA	THHQL2145
2	50	8-3 Cu/8-3 Al	22kA	THHQL2150
2	60	8-3 Cu/8-3 Al	22kA	THHQL2160
2	70	6-1/0 Cu/4-1/0 Al	22kA	THHQL2170
2	80	6-1/0 Cu/4-1/0 Al	22kA	THHQL2180
2	90	6-1/0 Cu/4-1/0 Al	22kA	THHQL2190
2	100	6-1/0 Cu/4-1/0 Al	22kA	THHQL21100
2	110	2-2/0 Cu/2-2/0 Al	22kA	THHQL21110
2	125	2-2/0 Cu/2-2/0 Al	22kA	THHQL21125



THHQL32015

THHQL 240 Vac, Internal Common Trip

# of Poles	Ampere Rating	Wire Range ¹	240 Vac Interrupting Rating	Product Number
2	15	14-8 Cu/12-8 Al	22kA	THHQL22015
2	20	14-8 Cu/12-8 Al	22kA	THHQL22020
2	25	14-8 Cu/12-8 Al	22kA	THHQL22025
2	30	8-3 Cu/8-3 Al	22kA	THHQL22030
2	35	8-3 Cu/8-3 Al	22kA	THHQL22035
2	40	8-3 Cu/8-3 Al	22kA	THHQL22040
2	45	8-3 Cu/8-3 Al	22kA	THHQL22045
2	50	8-3 Cu/8-3 Al	22kA	THHQL22050
2	60	8-3 Cu/8-3 Al	22kA	THHQL22060
2	70	6-1/0 Cu/4-1/0 Al	22kA	THHQL22070
2	80	6-1/0 Cu/4-1/0 Al	22kA	THHQL22080
2	90	6-1/0 Cu/4-1/0 Al	22kA	THHQL22090
2	100	6-1/0 Cu/4-1/0 Al	22kA	THHQL22100
3	15	14-8 Cu/12-8 Al	22kA	THHQL32015
3	20	14-8 Cu/12-8 Al	22kA	THHQL32020
3	25	14-8 Cu/12-8 Al	22kA	THHQL32025
3	30	8-3 Cu/8-3 Al	22kA	THHQL32030
3	35	8-3 Cu/8-3 Al	22kA	THHQL32035
3	40	8-3 Cu/8-3 Al	22kA	THHQL32040
3	45	8-3 Cu/8-3 Al	22kA	THHQL32045
3	50	8-3 Cu/8-3 Al	22kA	THHQL32050
3	60	8-3 Cu/8-3 Al	22kA	THHQL32060
3	70	6-1/0 Cu/4-1/0 Al	22kA	THHQL32070
3	80	6-1/0 Cu/4-1/0 Al	22kA	THHQL32080
3	90	6-1/0 Cu/4-1/0 Al	22kA	THHQL32090
3	100	6-1/0 Cu/4-1/0 Al	22kA	THHQL32100

¹Solid or stranded for 14-10 AWG.

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

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

