
Industrial Circuit Breakers

How to Order

Q-Line

- Thermal Magnetic Circuit Breakers
- Molded-Case Switches

The product 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.

E 150 Line

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

The product 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 product number; for molded case switches see page 6-5. Unless otherwise noted, all circuit breakers are UL listed in File E-11592. Molded case switches are UL listed in File E-57546.



Q-Line Thermal Magnetic Circuit Breakers
and Molded-Case Switches

Industrial Circuit Breakers

Spectra™ RMS

- Circuit Breakers

Determine the required breaker frame, IC rating, and load requirements. Select frame, trip unit (rating plug), and lug, if required, product numbers from the tables on pages 6-172 to 6-180. For Spectra™ breakers with microEntelliGuard™ Trip Units refer to pages 6-181 through 6-188. Select field-mounted internal accessory product numbers, if required, on pages 6-194 and 6-195. Select field-mounted external accessory product numbers, if required, on pages 6-209 through 6-221 and pages 6-189 to 6-193 for Spectra™ breakers with microEntelliGuard™ Trip Units. Order as separate items.

- Mag-Break Motor Circuit Protectors

Determine the required frame and ampere requirements. Select frame, trip unit (rating plug), and lug, if required, product numbers from the table on pages 6-207 through 6-208. 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, product numbers from the table on page 6-206. 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 microEntelliGuard™ Trip Units are UL listed in File E-57253.

Accessories

Order accessories from the appropriate table:

- Thermal Magnetic Circuit Breakers, Magnetic Circuit Breakers, and Molded Case Switches¹—pages 6-69 to 6-73 and 6-45 to 6-46.
- Spectra™ RMS Breakers—pages 6-194 to 6-195 and 6-209 to 6-221.
- Spectra™ RMS Breakers with microEntelliGuard™ Trip Units— pages 6-189 to 6-193.

¹Installation of accessories in molded case switches requires dummy trip; see page 6-73 for information. Dummy trip not required for Tri-Break™ or Q-Line molded case switches.



Spectra Circuit Breakers
and Molded Case Switches

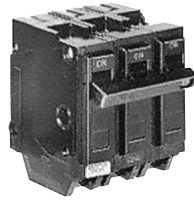
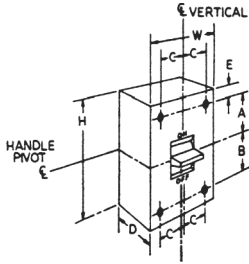
Molded Case Circuit Breaker and Switch Terminal Configuration Code

Order standard Cu/Al lugs by using suffix codes presented. Order lugs separately if special lugs are required. For optional lugs, see pages 6-218 and 6-219.

Breaker/Switch Type	Suffix				
	Blank	WL	XL	X2	LL
TQD/TJD	Load Lugs Only	Line and Load Lugs	—	Line Lugs Only	No Lugs
Molded Case Breakers, Thermal Magnetic	Load Lugs Only	Line and Load Lugs	—	Load Lugs Only	No Lugs
Molded Case Switch	Line and Load Lugs	—	No Lugs	Line Lugs Only	Load Lugs Only
Spectra RMS™ Breakers	No Lugs			Order Lugs Separately	

Molded Case Circuit Breakers

Quick Reference Guide



THQL 32015

Ratings do not apply to molded case switches.

The interruption ratings and voltages shown in the table are maximum ratings. A circuit breaker of the type given in the lefthand column may be applied at the given circuit voltage in any electrical distribution system where the available fault current at the load terminals of the breaker does not exceed the value in the table. That circuit breaker type may also be applied at intermediate values of circuit voltage provided the available fault current at the load terminals of the breaker does not exceed the value in the table for the higher value of voltage.

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 kA										Dimensions (in.)							Std. Pack
				ac	dc	120	120/240	240	277	480	600	125	250	H	W	D	A	B	C	E	
TQ	15-50	1	120/240	—	—	10	—	—	—	—	—	—	—	3	3/4	2 3/8	—	—	—	—	10
	15-60	2	120/240	—	—	10	—	—	—	—	—	—	—	3	1 1/2	2 3/8	—	—	—	—	5
THQP ¹	15-50	1	120/240	—	—	10	—	—	—	—	—	—	—	3 9/32	1 1/2	2 3/8	—	—	—	—	100
		2	120/240	—	—	10	—	—	—	—	—	—	—	3 9/32	1	2 3/8	—	—	—	—	50
TQL/TQB/ TQC	10	1	120/240	—	—	52	—	—	—	—	—	—	—	3 9/32	1	2 3/8	—	—	—	—	50
		2	120/240	—	—	—	52	—	—	—	—	—	—	3 9/32	1	2 3/8	—	—	—	—	25
		3	240	—	—	—	—	—	—	—	—	—	—	3 9/32	2	2 3/8	—	—	—	—	15
THQL ¹	15-70	1	120/240	—	—	10	—	—	—	—	—	—	—	3 9/32	3	2 3/8	—	—	—	—	50
THQB ¹	15-125	2	120/240	—	—	—	10	—	—	—	—	—	—	3 9/32	1	2 3/8	—	—	—	—	25
THQC ¹	15-100	3	240	—	—	—	—	—	—	—	—	—	—	3 9/32	2	2 3/8	—	—	—	—	15
THHQB ¹ THHQC ¹	15-70	1	120/240	—	—	22	—	—	—	—	—	—	—	3 9/32	3	2 3/8	—	—	—	—	50
	15-100	2	120/240	—	—	—	22	—	—	—	—	—	—	3 9/32	1	2 3/8	—	—	—	—	25
		3	240	—	—	—	—	—	—	—	—	—	—	3 9/32	2	2 3/8	—	—	—	—	15
THHQL ¹	15-70	1	120/240	—	—	22	—	—	—	—	—	—	—	3 9/32	3	2 3/8	—	—	—	—	50
	15-125	2	120/240	—	—	—	22	—	—	—	—	—	—	3 9/32	1	2 3/8	—	—	—	—	25
	15-100	3	240	—	—	—	—	—	—	—	—	—	—	3 9/32	2	2 3/8	—	—	—	—	15
TXQL ¹ TXQB ¹ TXQC ¹	15-30	1	120/240	—	—	65	—	—	—	—	—	—	—	3 9/32	3	2 3/8	—	—	—	—	50
		2	120/240	—	—	—	65	—	—	—	—	—	—	3 9/32	1	2 3/8	—	—	—	—	25
		3	240	—	—	—	—	—	—	—	—	—	—	3 9/32	2	2 3/8	—	—	—	—	15
TQD ¹	100-225	2	240	—	—	10	10	—	—	—	—	—	—	6 9/16	3	2 5/8	2 7/16	2 7/16	—	27/32	1
	100-225	3	240	—	—	—	10	—	—	—	—	—	—	6 9/16	4 1/8	2 5/8	2 7/16	2 7/16	11/16	27/32	1
THQD ¹	100-225	2	240	—	—	22	22	—	—	—	—	—	—	6 9/16	3/4	2 5/8	2 7/16	2 7/16	—	27/32	1
	100-225	3	240	—	—	—	22	—	—	—	—	—	—	6 9/16	1 1/2	2 5/8	2 7/16	2 7/16	11/16	27/32	1
TJD	250-400	2	240	—	—	22	22	—	—	—	—	10	—	10 1/8	8 1/4	3	3	3	1 3/8	1 3/16	1
		3	240	—	—	—	22	—	—	—	—	—	—	10 1/8	8 1/4	13/16	13/16	13/16	1 3/8	1 3/16	1

Ground Fault, Equipment Ground Fault, Arc Fault and Dual Function, Fixed Thermal Trip

THQL	15-30	1	120	—	10	—	—	—	—	—	—	—	—	3 9/32	1	2 3/8	—	—	—	—	10
THQC THQB GFT, GFEP		2	120/240	—	—	10	—	—	—	—	—	—	—	3 9/32	2	2 3/8	—	—	—	—	10
THHQL THHQB GFT	15-20	1	120	—	22	10	—	—	—	—	—	—	—	3 9/32	1	2 3/8	—	—	—	—	10
THQB THQC THQL ...AF2, DF	15-20	1	120/240	—	—	—	—	—	—	—	—	—	—	3 9/32	1	2 3/8	—	—	—	—	10
THHQB ...AF2, DF THHQL		1	120/240	—	—	22	—	—	—	—	—	—	—	3 9/32	1	2 3/8	—	—	—	—	10

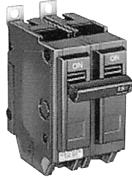
¹UL listed as HACR (heating, air conditioning and refrigeration).

²Not UL listed.

Q-Line Circuit Breakers

Bolt-on Circuit Breakers

240V Class



THHQB2115

THHQB 120/240 Vac

# of Poles	Ampere Rating	Wire Range ¹	120/240 Vac Interrupting Rating	Product Number
1	15	14-8 Cu/12-8 Al	22kA	THHQB1115 ²
1	20	14-8 Cu/12-8 Al	22kA	THHQB1120 ²
1	25	14-8 Cu/12-8 Al	22kA	THHQB1125
1	30	14-8 Cu/12-8 Al	22kA	THHQB1130
1	35	8-3 Cu/8-3 Al	22kA	THHQB1135
1	40	8-3 Cu/8-3 Al	22kA	THHQB1140
1	45	8-3 Cu/8-3 Al	22kA	THHQB1145
1	50	8-3 Cu/8-3 Al	22kA	THHQB1150
1	60	8-3 Cu/8-3 Al	22kA	THHQB1160
1	70	6-1/0 Cu/4-1/0 Al	22kA	THHQB1170

THQB/THHQB 120/240 Vac, Low Magnetic Pickup

# of Poles	Ampere Rating	Wire Range ¹	120/240 Vac Interrupting Rating	Product Number
1	15	14-8 Cu/12-8 Al	10 kA	THQB1115LM ²
1	20	14-8 Cu/12-8 Al	10 kA	THQB1120LM ²
1	15	14-8 Cu/12-8 Al	22 kA	THHQB1115LM
1	20	14-8 Cu/12-8 Al	22 kA	THHQB1120LM
2	15	14-8 Cu/12-8 Al	10 kA	THQB2115LM
2	20	14-8 Cu/12-8 Al	10 kA	THQB2120LM
2	15	14-8 Cu/12-8 Al	22 kA	THHQB2115LM
2	20	14-8 Cu/12-8 Al	22 kA	THHQB2120LM

THHQB 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	THHQB2115
2	20	14-8 Cu/12-8 Al	22kA	THHQB2120
2	25	14-8 Cu/12-8 Al	22kA	THHQB2125
2	30	14-8 Cu/12-8 Al	22kA	THHQB2130
2	35	8-3 Cu/8-3 Al	22kA	THHQB2135
2	40	8-3 Cu/8-3 Al	22kA	THHQB2140
2	45	8-3 Cu/8-3 Al	22kA	THHQB2145
2	50	8-3 Cu/8-3 Al	22kA	THHQB2150
2	60	8-3 Cu/8-3 Al	22kA	THHQB2160
2	70	6-1/0 Cu/4-1/0 Al	22kA	THHQB2170
2	80	6-1/0 Cu/4-1/0 Al	22kA	THHQB2180
2	90	6-1/0 Cu/4-1/0 Al	22kA	THHQB2190
2	100	6-1/0 Cu/4-1/0 Al	22kA	THHQB21100

THHQB 120/240 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	THHQB22015
2	20	14-8 Cu/12-8 Al	22kA	THHQB22020
2	25	14-8 Cu/12-8 Al	22kA	THHQB22025
2	30	14-8 Cu/12-8 Al	22kA	THHQB22030
2	35	8-3 Cu/8-3 Al	22kA	THHQB22035
2	40	8-3 Cu/8-3 Al	22kA	THHQB22040
2	45	8-3 Cu/8-3 Al	22kA	THHQB22045
2	50	8-3 Cu/8-3 Al	22kA	THHQB22050
2	60	8-3 Cu/8-3 Al	22kA	THHQB22060
2	70	6-1/0 Cu/4-1/0 Al	22kA	THHQB22070
2	80	6-1/0 Cu/4-1/0 Al	22kA	THHQB22080
2	90	6-1/0 Cu/4-1/0 Al	22kA	THHQB22090
2	100	6-1/0 Cu/4-1/0 Al	22kA	THHQB22100
3	15	14-8 Cu/12-8 Al	22kA	THHQB32015
3	20	14-8 Cu/12-8 Al	22kA	THHQB32020
3	25	14-8 Cu/12-8 Al	22kA	THHQB32025
3	30	14-8 Cu/12-8 Al	22kA	THHQB32030
3	35	8-3 Cu/8-3 Al	22kA	THHQB32035
3	40	8-3 Cu/8-3 Al	22kA	THHQB32040
3	45	8-3 Cu/8-3 Al	22kA	THHQB32045
3	50	8-3 Cu/8-3 Al	22kA	THHQB32050
3	60	8-3 Cu/8-3 Al	22kA	THHQB32060
3	70	6-1/0 Cu/4-1/0 Al	22kA	THHQB32070
3	80	6-1/0 Cu/4-1/0 Al	22kA	THHQB32080
3	90	6-1/0 Cu/4-1/0 Al	22kA	THHQB32090
3	100	6-1/0 Cu/4-1/0 Al	22kA	THHQB32100

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).