
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

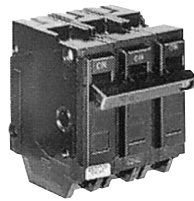
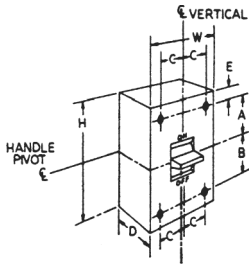
Molded Case Circuit Breaker and Switch Terminal Configuration Code

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	
					Vac				Vdc				H	W	D	A	B	C	E		
					ac	dc	120	120/240	240	277	480	600									125
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	1/2	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	-	-	-	52	-	-	-	-	-	-	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	-	-	-	-	10	-	-	-	-	-	3 9/32	2	2 3/8	-	-	-	-	15
THHQB ¹	15-70	1	120/240	-	-	22	-	-	-	-	-	-	-	3 9/32	3	2 3/8	-	-	-	-	50
THHQB ¹	15-100	2	120/240	-	-	22	-	-	-	-	-	-	-	3 9/32	1	2 3/8	-	-	-	-	25
THHQB ¹	15-100	3	240	-	-	-	22	-	-	-	-	-	-	3 9/32	2	2 3/8	-	-	-	-	15
THHQB ¹	15-100	3	240	-	-	-	-	22	-	-	-	-	-	3 9/32	3	2 3/8	-	-	-	-	50
THHQB ¹	15-125	2	120/240	-	-	-	22	-	-	-	-	-	-	3 9/32	1	2 3/8	-	-	-	-	25
THHQB ¹	15-100	3	240	-	-	-	-	22	-	-	-	-	-	3 9/32	2	2 3/8	-	-	-	-	15
THHQB ¹	15-100	3	240	-	-	-	-	-	22	-	-	-	-	3 9/32	3	2 3/8	-	-	-	-	50
THHQB ¹	15-125	2	120/240	-	-	-	-	-	22	-	-	-	-	3 9/32	1	2 3/8	-	-	-	-	25
THHQB ¹	15-100	3	240	-	-	-	-	-	-	22	-	-	-	3 9/32	2	2 3/8	-	-	-	-	15
TXQL ¹	15-30	1	120/240	-	-	65	-	-	-	-	-	-	-	3 9/32	3	2 3/8	-	-	-	-	50
TXQB ¹	15-30	2	120/240	-	-	65	-	-	-	-	-	-	-	3 9/32	1	2 3/8	-	-	-	-	25
TXQC ¹	15-30	3	240	-	-	-	65	-	-	-	-	-	-	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	-	-	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	-	-	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
	250-400	3	240	-	-	-	22	-	-	-	-	-	-	10 1/8	8 1/4	3	3	3	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		2	120/240	-	-	10	-	-	-	-	-	-	-	3 9/32	2	2 3/8	-	-	-	-	10
THQB	15-20	1	120	-	22	10	-	-	-	-	-	-	-	3 9/32	1	2 3/8	-	-	-	-	10
THHQB		1	120	-	22	10	-	-	-	-	-	-	-	3 9/32	1	2 3/8	-	-	-	-	10
GFT, GFEP	15-20	1	120/240	-	-	-	-	-	-	-	-	-	-	3 9/32	1	2 3/8	-	-	-	-	10
THQL		1	120/240	-	-	-	-	-	-	-	-	-	-	3 9/32	1	2 3/8	-	-	-	-	10
THQB	15-20	1	120/240	-	-	-	-	-	-	-	-	-	-	3 9/32	1	2 3/8	-	-	-	-	10
THQC		1	120/240	-	-	-	-	-	-	-	-	-	-	3 9/32	1	2 3/8	-	-	-	-	10
THQL	15-20	1	120/240	-	-	-	-	-	-	-	-	-	-	3 9/32	1	2 3/8	-	-	-	-	10
...AF2, DF		1	120/240	-	-	-	-	-	-	-	-	-	-	3 9/32	1	2 3/8	-	-	-	-	10
THHQB	15-20	1	120/240	-	-	22	-	-	-	-	-	-	-	3 9/32	1	2 3/8	-	-	-	-	10
...AF2, DF		1	120/240	-	-	22	-	-	-	-	-	-	-	3 9/32	1	2 3/8	-	-	-	-	10
THHQB	15-20	1	120/240	-	-	22	-	-	-	-	-	-	-	3 9/32	1	2 3/8	-	-	-	-	10
THHQB		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

Cable-in Cable-out (lug-lug)

240V Class



TJD432400WL

TQD 240 Vac, Internal Common Trip

# of Poles	Ampere Rating	240 Vac Interrupting Rating	Product Number ^{1,2}
2	100	10kA	TQD22100WL
2	125	10kA	TQD22125WL
2	150	10kA	TQD22150WL
2	175	10kA	TQD22175WL
2	200	10kA	TQD22200WL
2	225	10kA	TQD22225WL
3	100	10kA	TQD32100WL
3	125	10kA	TQD32125WL
3	150	10kA	TQD32150WL
3	175	10kA	TQD32175WL
3	200	10kA	TQD32200WL
3	225	10kA	TQD32225WL

TQD 240 Vac, Internal Common Trip with Factory Installed 120 Vac Shunt Trip

# of Poles	Ampere Rating	240 Vac Interrupting Rating	Product Number ^{1,2}
3	125	10kA	TQD32125ST1
3	150	10kA	TQD32150ST1
3	175	10kA	TQD32175ST1
3	200	10kA	TQD32200ST1
3	225	10kA	TQD32225ST1

THQD 240 Vac, Internal Common Trip

# of Poles	Ampere Rating	240 Vac Interrupting Rating	Product Number ^{1,2}
2	100	22kA	THQD22100WL
2	125	22kA	THQD22125WL
2	150	22kA	THQD22150WL
2	175	22kA	THQD22175WL
2	200	22kA	THQD22200WL
2	225	22kA	THQD22225WL
3	100	22kA	THQD32100WL
3	125	22kA	THQD32125WL
3	150	22kA	THQD32150WL
3	175	22kA	THQD32175WL
3	200	22kA	THQD32200WL
3	225	22kA	THQD32225WL

TJD 240 Vac, Internal Common Trip

# of Poles	Ampere Rating	240 Vac Interrupting Rating	Product Number ^{1,2}
2	250	22kA	TJD422250WL
2	300	22kA	TJD422300WL
2	350	22kA	TJD422350WL
2	400	22kA	TJD422400WL
2	400 Molded Case Switch	22kA	TJD422Y400
3	250	22kA	TJD432250WL ³
3	300	22kA	TJD432300WL ³
3	350	22kA	TJD432350WL ³
3	400	22kA	TJD432400WL ³
3	400 Molded Case Switch	22kA	TJD432Y400 ⁴

¹Refer to table on page 6-5 for lug and wire range data.

²Includes line and load lugs. For optional configurations see page 6-5.

³TJD uses same accessories as J600 line. TJD not listed HACR.

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