

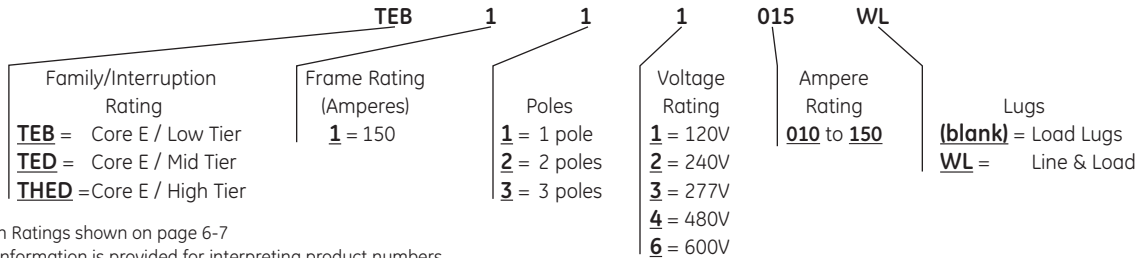
Molded Case Circuit Breakers

Industrial Circuit Breakers

10-150A Circuit Breakers
 Thermal-Magnetic Trip
 E150 Line Circuit Breakers
 Types TEB, TED, THED
 Noninterchangeable Trip



Product Number Structure



Interruption Ratings shown on page 6-7
 Note: This information is provided for interpreting product numbers
 (it should not be used to build product numbers).

Single Pole — Includes Cu/Al load lugs only. If line lugs are required, add suffix "WL" to Product Number.

Ampere Rating	Type TEB		Type TED		Type THED	
	120 Vac 125 Vdc		277 Vac 125 Vdc	347 Vac ¹	277 Vac	347 Vac ¹
	Product Number	Product Number	Product Number	Product Number	Product Number	Product Number
10	TEB111010 ^{2,4}	TED113010 ^{2,4}			THED113015 ⁴	THED114015 ^{3,4}
15	TEB111015 ^{3,4}	TED113015 ^{3,4}	TED114015 ^{3,4}		THED113020 ⁴	THED114020 ^{3,4}
20	TEB111020 ^{3,4}	TED113020 ^{3,4}	TED114020 ^{3,4}		THED113025 ⁴	THED114025 ⁴
25	TEB111025 ⁴	TED113025 ⁴	TED114025 ⁴		THED113030 ⁴	THED114030 ⁴
30	TEB111030 ⁴	TED113030 ⁴	TED114030 ⁴			
35	TEB111035 ⁴	TED113035 ⁴				
40	TEB111040 ⁴	TED113040 ⁴				
45	TEB111045 ⁴	TED113045 ⁴				
50	TEB111050 ⁴	TED113050 ⁴				
60	TEB111060	TED113060				
70	TEB111070	TED113070				
80	TEB111080	TED113080				
90	TEB111090	TED113090				
100	TEB111100	TED113100				

Two Pole — Includes Cu/Al line and load lugs. For optional lugs, see page 6-103 and 6-105.

Ampere Rating	Type TEB	Type TED	Type THED, Hi-Break ⁵
	240 Vac, 250 Vdc	480 Vac, 250 Vdc	480 Vac, 250 Vdc
	Product Number	Product Number	Product Number
10	TEB122010WL ^{2,4}	TED124010WL ^{2,4}	—
15	TEB122015WL ⁴	TED124015WL ⁴	THED124015WL ⁴
20	TEB122020WL ⁴	TED124020WL ⁴	THED124020WL ⁴
25	TEB122025WL ⁴	TED124025WL ⁴	THED124025WL ⁴
30	TEB122030WL ⁴	TED124030WL ⁴	THED124030WL ⁴
35	TEB122035WL ⁴	TED124035WL ⁴	THED124035WL ⁴
40	TEB122040WL ⁴	TED124040WL ⁴	THED124040WL ⁴
45	TEB122045WL ⁴	TED124045WL ⁴	THED124045WL ⁴
50	TEB122050WL ⁴	TED124050WL ⁴	THED124050WL ⁴
60	TEB122060WL	TED124060WL	THED124060WL
70	TEB122070WL	TED124070WL	THED124070WL
80	TEB122080WL	TED124080WL	THED124080WL
90	TEB122090WL	TED124090WL	THED124090WL
100	TEB122100WL	TED124100WL	THED124100WL
110	—	TED124110WL	—
125	—	TED124125WL	—
150	—	TED124150WL	—

¹Suitable for 10 kAIC at 480 Vac, but not labeled or UL listed.

²Not UL listed, rated 5kA @ 120V, 240V and 480V.

³Single-pole, 15- and 20-ampere breakers are also UL listed as switching duty breakers, suitable for switching 120 Vac (TEB), 277, 347 Vac (TED, THED) fluorescent lighting loads.

⁴UL listed for HID (high intensity discharge).

⁵Two-pole breaker is furnished in three-pole case.

Notes: All TEB, TED, THED breakers UL listed as HACR type except 10 ampere.

All TEB, TED, THED breakers suitable for reverse feed.

60/75°C rating through 100 amperes, 75°C rating above 100 amperes.



Molded Case Circuit Breakers

Industrial Circuit Breakers

Section 6

10-150A Circuit Breakers
 Thermal-Magnetic Trip
 E150 Line Circuit Breakers
 Types TEB, TED, THED
 Noninterchangeable Trip

Three Pole — Includes Cu/Al line and load lugs. For optional lugs, see page 6-103 and 6-105.

Ampere Rating	Type TEB	Type TED		Type THED, Hi-Break
	240 Vac	480 Vac	600 Vac	600 Vac
	Product Number	Product Number	Product Number	Product Number
10	TEB132010WL ^{1,3}	TED134010WL ^{1,3}	—	—
15	TEB132015WL ³	TED134015WL ³	—	—
20	TEB132020WL ³	TED134020WL ³	TED136020WL ³	THED136020WL ³
25	TEB132025WL ³	TED134025WL ³	TED136025WL ³	THED136025WL ³
30	TEB132030WL ³	TED134030WL ³	TED136030WL ³	THED136030WL ³
35	TEB132035WL ³	TED134035WL ³	TED136035WL ³	THED136035WL ³
40	TEB132040WL ³	TED134040WL ³	TED136040WL ³	THED136040WL ³
45	TEB132045WL ³	TED134045WL ³	TED136045WL ³	THED136045WL ³
50	TEB132050WL ³	TED134050WL ³	TED136050WL ³	THED136050WL ³
60	TEB132060WL	TED134060WL	TED136060WL	—
70	TEB132070WL	TED134070WL	TED136070WL	THED136070WL
80	TEB132080WL	TED134080WL	TED136080WL	—
90	TEB132090WL	TED134090WL	TED136090WL	THED136090WL
100	TEB132100WL	TED134100WL	TED136100WL	THED136100WL
110	—	TED134110WL	TED136110WL	THED136110WL
125	—	TED134125WL	TED136125WL	THED136125WL
150	—	TED134150WL	TED136150WL	THED136150WL
100NA	—	TED134YT100 ²	TED136YT100 ²	—
150NA	—	TED134YT150 ²	TED136YT150 ²	—

¹Not UL listed, rated 5kA @ 120V, 240V and 480V.

²Includes factory-installed dummy trip.

³UL listed for HID (high intensity discharge).

Notes: All TEB, TED, THED breakers UL listed as HACR type except 10 ampere.

All TEB, TED, THED breakers suitable for reverse feed.

60/75°C rating through 100 amperes, 75°C rating above 100 amperes.

Accessories: See pages 6-39 to 6-44 and 6-94 to 6-106.

Add-on Current Limiter — UL Listed

100 kAIC at 480 and 600 VAC⁴

Ampere Rating	Product Number
15	TEDL36015
20	TEDL36020
30 and 60	TEDL36060
100	TEDL36100

⁴For use with 3 Pole TED/THED only

E150 Reference Publications

TDR Operating Mechanism	GEH-2994
Shunt Trip	GEH-3416
Undervoltage Release	GEH-3417
Auxiliary Switch	GEH-3418
Three Coil Shunt Trip	GEH-3434
Mechanical Interlock	GEH-4310
TDM Operating Mechanism	GEH-4335
Bell Alarm	GEH-4576
Plug-in Mounting Base	GEH-4610
STDA Flange Handle	GEH-5314
STDA Operating Mechanism	GEH-5684
Cable Operator Mechanism	GEH-6290
Motor Operator	GEH-6500
Back Connected Studs	GEJ-3609
Padlocking Device - Standard	GEJ-5143
E150 Outline Drawing	139C3643SH1, 2, 4



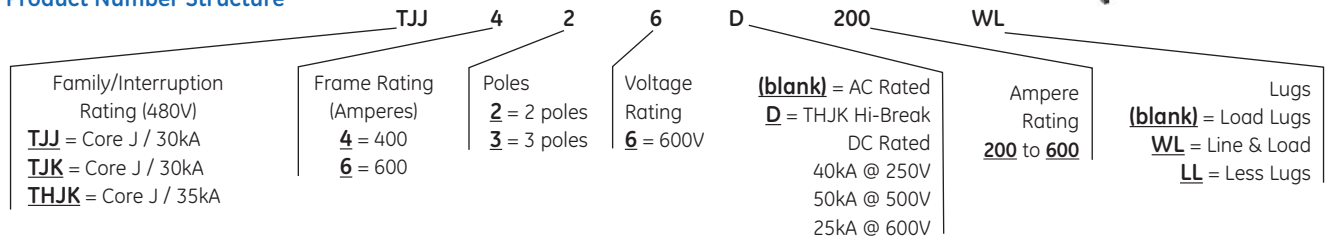
Molded Case Circuit Breakers

Industrial Circuit Breakers

125-600A Circuit Breakers
 Thermal-Magnetic Trip
 J600 Line Circuit Breakers
 Types TJJ, TJK, THJK



Product Number Structure



Note: This information is provided for interpreting product numbers (it should not be used to build product numbers).

Type TJJ Noninterchangeable Trip, includes Cu/Al Line and Load Lugs, suitable for reverse feed

Ampere Rating	Adjustable Instantaneous Trip Ampere Range		Frame		Terminal Lugs for Front Connection (Cu/Al)	
	Low	High	2-Pole, 400 Ampere Frame 600 Vac, 250 Vdc	3-Pole, 400 Ampere Frame 600 Vac	Copper/ Aluminum Lugs	Wire Size
			Product Number	Product Number		
200	600	2000	TJJ426200WL	TJJ436200WL	TCAL43 ³ Included in price of breaker	(1) 6-600 or (2) 2/0-250 Cu/Al
225	675	2250	TJJ426225WL	TJJ436225WL		
250	750	2500	TJJ426250WL	TJJ436250WL		
300	900	3000	TJJ426300WL	TJJ436300WL		
350	1050	3500	TJJ426350WL	TJJ436350WL		
400	1200	4000	TJJ426400WL	TJJ436400WL		

Types TJK, THJK – Interchangeable Trip, includes Cu/Al Line and Load Lugs, not suitable for reverse feed

Ampere Rating	Adjustable Instantaneous Trip Ampere Range			Complete Circuit Breaker Includes Line and Load Lugs			Terminal Lugs for Front Connection (Cu/Al) ¹	
	Low	High	Standard Product Number	Hi-Break Product Number	Frame Only Product Number	Trip Unit Only. Use with Standard and Hi-Break Frames	Product Number (Order 2 per pole)	Wire Size
400A Frame—Two-Pole								
200	600	2000	TJK426200WL	THJK426200WL	TJK426F000	TJK426T200	TCAL43 ³	(1) 6-600 or (2) 2/0-250 Cu/Al
225	675	2250	TJK426225WL	THJK426225WL	Standard Frame	TJK426T225		
250	750	2500	TJK426250WL	THJK426250WL		TJK426T250		
300	900	3000	TJK426300WL	THJK426300WL	THJK426F000	TJK426T300		
350	1050	3500	TJK426350WL	THJK426350WL	Hi-Break	TJK426T350		
400	1200	4000	TJK426400WL	THJK426400WL		TJK426T400		
400A Frame—Three-Pole								
200	600	2000	TJK436200WL	THJK436200WL	TJK436F000	TJK436T200	TCAL43 ³	(1) 6-600 or (2) 2/0-250 Cu/Al
225	675	2250	TJK436225WL	THJK436225WL	Standard Frame	TJK436T225		
250	750	2500	TJK436250WL	THJK436250WL		TJK436T250		
300	900	3000	TJK436300WL	THJK436300WL	TJK436T300			
350	1050	3500	TJK436350WL	THJK436350WL	THJK436F000	TJK436T350		
400	1200	4000	TJK436400WL	THJK436400WL	Hi-Break	TJK436T400		
400	600	2000	—	—			TJK436TM1400 ²	
Mag	1200	4000	—	—		TJK436TM2400 ²		
Only	350	1000	—	—		TJK436TM3400 ²		

¹For optional lugs, see page 6-103.

²Not UL listed.

³Alternate lug for 750 kcmil Cu/Al cable, Product Number TCAL47.

Accessories: See pages 6-39 to 6-44 and 6-94 to 6-106.

