

Molded Case Circuit Breakers

Industrial Circuit Breakers

10-150A Circuit Breakers

Thermal-Magnetic Trip

E150 Line Circuit Breakers

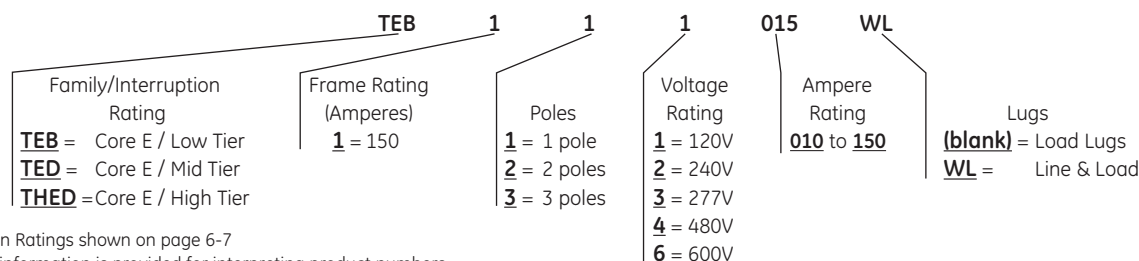
Types TEB, TED, THED

Noninterchangeable Trip

Section 6



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
10	TEB111010 ^{2,4}	TED113010 ^{2,4}			
15	TEB111015 ^{3,4}	TED113015 ^{3,4}	TED114015 ^{3,4}	THED113015 ⁴	THED114015 ^{3,4}
20	TEB111020 ^{3,4}	TED113020 ^{3,4}	TED114020 ^{3,4}	THED113020 ⁴	THED114020 ^{3,4}
25	TEB111025 ⁴	TED113025 ⁴	TED114025 ⁴	THED113025 ⁴	THED114025 ⁴
30	TEB111030 ⁴	TED113030 ⁴	TED114030 ⁴	THED113030 ⁴	THED114030 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 6-102 and 6-104.

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.



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Three Pole — Includes Cu/Al line and load lugs. For optional lugs, see page 6-102 and 6-104.

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 6-38 to 6-43 and 6-93 to 6-105.

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

