

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 6-44 to 6-52. For Spectra™ breakers with *microEntelliGuard™* Trip Units refer to pages 6-53 through 6-60. Select field-mounted internal accessory product numbers, if required, on pages 6-66 and 6-67. Select field-mounted external accessory product numbers, if required, on pages 6-94 through 6-105 and pages 6-61 to 6-65 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 6-90 through 6-91. 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 6-89. 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.

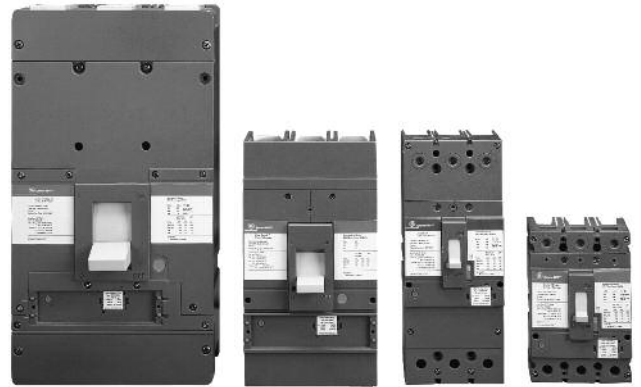
Unless otherwise noted, all circuit breakers are UL listed in File E-11592. Molded case switches are UL listed in File E-57546. Field-Installable Internal Accessories are UL listed in File E-57253. Distribution Cable Accessories for *microEntelliGuard™* Trip Units are UL listed in File E-57253.

Accessories

Order accessories from the appropriate table:

- Thermal Magnetic Circuit Breakers, Magnetic Circuit Breakers, and Molded Case Switches¹—pages 6-38 to 6-43 and 6-93 to 6-105.
- Spectra™ RMS Breakers—pages 6-65 to 6-66 and 6-93 to 6-105.
- Spectra™ RMS Breakers with *microEntelliGuard™* Trip Units—pages 6-61 to 6-67, and 6-93 to 6-105.

¹Installation of accessories in molded case switches requires dummy trip; see page 6-43 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 6-102 and 6-103.

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 Industrial Circuit Breakers

Section 6

15-125A

Thermal Magnetic Trip

Type TEYD/TEYH/TEYL

Noninterchangeable Trip

Bolt-on

480Y/277V Class

The TEY family of circuit breakers (TEY, TEYF, TEYD, TEYH, and TEYL) are one-inch wide per pole, compact, bolt-on circuit breakers for use on grounded 480Y/277 Vac systems, and are typically installed within Lighting Panelboards, including GE A-Series. Short circuit ratings at 480/277 Vac are shown in the tables that follow. Ratings at other voltages are shown in the Quick Reference Guide at the beginning of this section. Bolt-On mounting bases TEY3B (page 6-101) and TEY3B125 (page 6-33) make these frames suitable for unit mount / lug-lug connected applications. Handle tie kits, suitable for use with multiple single pole breakers used on shared neutral circuits (page 6-33) are available for TEYD/H/L circuit breakers.



1- 2- and 3-pole
TEYD/TEYH/TEYL breakers

TEYD/TEYH/TEYL (UL/CUL File E-11592)

Ampere Rating	Wire Range ¹	Product No.	Product No.	Product No.
Single Pole				
Includes Load Lugs				
		Type TEYD 25kA @ 480 / 277 Vac	Type TEYH 35kA @ 480 / 277 Vac	Type TEYL 65kA @ 480 / 277 Vac
15	#14-#10	TEYD1015B	TEYH1015B	TEYL1015B
20	#14-#10	TEYD1020B	TEYH1020B	TEYL1020B
25	#10-#4	TEYD1025B	TEYH1025B	TEYL1025B
30	#10-#4	TEYD1030B	TEYH1030B	TEYL1030B
35	#10-#4	TEYD1035B	TEYH1035B	TEYL1035B
40	#10-#4	TEYD1040B	TEYH1040B	TEYL1040B
45	#10-#4	TEYD1045B	TEYH1045B	TEYL1045B
50	#10-#4	TEYD1050B	TEYH1050B	TEYL1050B
60	#10-#4	TEYD1060B	TEYH1060B	TEYL1060B
70	#4-2/0	TEYD1070B	TEYH1070B	TEYL1070B
Two-Pole				
Includes Load Lugs				
		Type TEYD 25kA @ 480 / 277 Vac	Type TEYH 35kA @ 480 / 277 Vac	Type TEYL 65kA @ 480 / 277 Vac
15	#14-10	TEYD2015B	TEYH2015B	TEYL2015B
20	#14-10	TEYD2020B	TEYH2020B	TEYL2020B
25	#10-#4	TEYD2025B	TEYH2025B	TEYL2025B
30	#10-#4	TEYD2030B	TEYH2030B	TEYL2030B
35	#10-#4	TEYD2035B	TEYH2035B	TEYL2035B
40	#10-#4	TEYD2040B	TEYH2040B	TEYL2040B
45	#10-#4	TEYD2045B	TEYH2045B	TEYL2045B
50	#10-#4	TEYD2050B	TEYH2050B	TEYL2050B
60	#10-#4	TEYD2060B	TEYH2060B	TEYL2060B
70	#4-2/0	TEYD2070B	TEYH2070B	TEYL2070B
80	#4-2/0	TEYD2080B	TEYH2080B	TEYL2080B
90	#4-2/0	TEYD2090B	TEYH2090B	TEYL2090B
100	#4-2/0	TEYD2100B	TEYH2100B	TEYL2100B
110	#4-2/0	TEYD2110B	TEYH2110B	TEYL2110B
125	#4-2/0	TEYD2125B	TEYH2125B	TEYL2125B
Three-Pole				
Includes Load Lugs				
		Type TEYD 25kA @ 480 / 277 Vac	Type TEYH 35kA @ 480 / 277 Vac	Type TEYL 65kA @ 480 / 277 Vac
15	#14-#10	TEYD3015B	TEYH3015B	TEYL3015B
20	#14-#10	TEYD3020B	TEYH3020B	TEYL3020B
25	#10-#4	TEYD3025B	TEYH3025B	TEYL3025B
30	#10-#4	TEYD3030B	TEYH3030B	TEYL3030B
35	#10-#4	TEYD3035B	TEYH3035B	TEYL3035B
40	#10-#4	TEYD3040B	TEYH3040B	TEYL3040B
45	#10-#4	TEYD3045B	TEYH3045B	TEYL3045B
50	#10-#4	TEYD3050B	TEYH3050B	TEYL3050B
60	#10-#4	TEYD3060B	TEYH3060B	TEYL3060B
70	#4-2/0	TEYD3070B	TEYH3070B	TEYL3070B
80	#4-2/0	TEYD3080B	TEYH3080B	TEYL3080B
90	#4-2/0	TEYD3090B	TEYH3090B	TEYL3090B
100	#4-2/0	TEYD3100B	TEYH3100B	TEYL3100B
110	#4-2/0	TEYD3110B	TEYH3110B	TEYL3110B
125	#4-2/0	TEYD3125B	TEYH3125B	TEYL3125B

¹Solid or stranded for 14-10 AWG.

²Single-pole, 15 and 20 ampere breakers are also UL listed as switching duty breakers, suitable for switching 120, 240, or 277 Vac.

³UL listed HACR (Heating, Air Conditioning, Refrigeration).

⁴UL listed for HID (high intensity discharge), all 50A or less.

