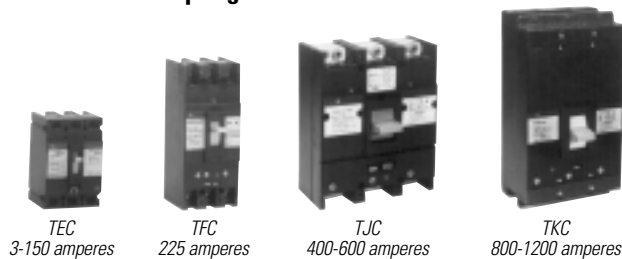


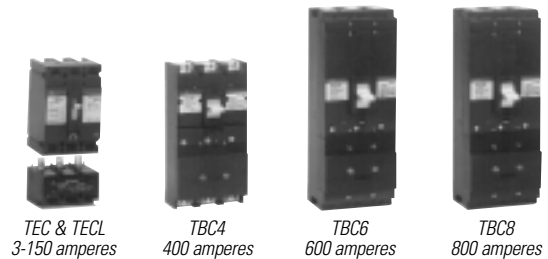


Mag-Break® Motor Circuit Protectors

Standard Interrupting Devices



Limiter Assisted Devices



Mag-Break motor circuit protector provides accurate and fast clearing of faults on motor circuits — including low level faults — the type most prevalent in motor installations. Mag-Break serves to minimize damage to motors and motor control apparatus in addition to protecting motor branch circuit conductors. Continuous current ratings and adjustable instantaneous trip ranges have been designed to meet NEC requirements concerning motor full load and locked rotor current. The Mag-Break instantaneous trip point can be set low and precisely (just above asym. motor inrush) assuring fault protection and eliminating nuisance tripping.

Each pole of the Mag-Break motor circuit protector contains a current sensing element to trip the breaker instantaneously when the preselected current setting is exceeded. Mag-Break's unique magnetic system permits independent factory calibration of both the Hi and Lo ends of the trip range. This provides field adjustability with accuracy and repeatability at all Mag-Break trip scale positions.



In addition to the two independent factory calibrations, Mag-Break is field adjustable by screwdriver adjustments on the front of each breaker. The field adjustable setting is continuous over the entire range from Hi to Lo, and each breaker rating label contains a table converting setting position to amperes. An over-current on any pole will cause all three poles to trip simultaneously, thus preventing costly single phasing problems.

Table 15.1
Trip Set Positions to Trip Amperes

Catalog Number 3-Pole	Cont. Amperes	Trip Setting Positions ^②						
		Lo	2	4	6	8	10	Hi
TEC36003	3	8	13	18	23	28	33	38
TEC36007	7	18	30	42	54	66	78	90
TEC36015	15	42	68	94	120	146	172	198
TEC36030	30	90	140	190	240	290	340	390
TEC36050	50	180	260	340	420	500	580	660
TEC36100	100	300	468	636	804	972	1140	1300
TEC36150	150	600	950	1300	1650	2000	2350	2700
TFC36225	225	600	780	1020	1200	—	—	1400
TFC36225A	225	1000	1200	1630	1920	—	—	2250
TJC36400B	400	1200	1400	1850	3250	—	—	4000
TJC36400E	400	330	435	600	860	—	—	1100
TJC36400F	400	550	720	945	1280	—	—	1670
TJC36400G	400	1000	1280	1780	2360	—	—	3300
TJC36600G	600	1000	1280	1780	2360	—	—	3300
TJC36600H	600	1800	2100	2600	3600	—	—	6000
TKC36800L ^①	800	3000	3600	4300	5100	—	—	6000
TKC36800M ^①	800	5000	6000	7000	8400	—	—	10000
TKC361200L ^①	1200	3000	3600	4300	5100	—	—	6000
TKC361200M ^①	1200	5000	6000	7000	8400	—	—	10000
Limiter Assisted Devices								
TBC43225F14F	225	550	720	945	1280	—	—	1670
TBC43400F14G	400	1000	1280	1780	2360	—	—	3300
TBC63600J14L	600	3000	3600	4300	5100	—	—	6000
TBC83800K18	800	2400	—	—	—	—	—	6000

^① For motors above 350 Hp use Power+ 4 or MicroVersaTrip Plus equipped breakers.
^② Tolerance ±20% of nominal value.