



The Murray half-size circuit breaker is based on 1/2" per pole, and is manufactured either as two independent poles (1"), or four poles (2"). These combinations fit in one or two standard 1" load center spaces, provided the load center stab is notched to accept the 1/2" per pole breaker.

### Duplex

Duplex breakers combine two independent 1/2" breaker poles in a common unit. This unit plugs onto one load center stab, and occupies 1" of space.

### Triplex

These circuit breakers provide a two-pole common trip breaker for 120/240V AC circuits and two single poles for 120V AC circuits. Triplex requires two panel spaces.

Wire range is lug capacity. MH-T breakers are UL Listed for use with 60°C or 75°C wire. Consult 60°C or 75°C columns in 1996 NEC table #310 for specific wire sizes.

Accessories—See page CB-12.

### Quadplex

Quadplex breakers provide two sets of handled, two-pole breakers for 120/240V AC circuits. Quadplex breakers require two panel spaces.

Wire range is lug capacity. MH-T breakers are UL Listed for use with 60°C or 75°C wire. Consult 60°C or 75°C columns in 1996 NEC table #310 for specific wire sizes.

Accessories—See page CB-12.

## Duplex, 2 Independent Poles, 120/240V AC<sup>①</sup> (Type MH-T)

Amps	Symb.	Catalog Number	List Price \$	Std. Sleeve/ Carton	Approx. Wgt. Lbs. Sleeve/ Carton	Wire Range	
						Cu	Al
15 & 15	Fig-1	MP1515	43.50	12/48	5/20	#14-#8	#12-#8
15 & 15		MP1515N (Non-CTL)	56.00	12/48	5/20		
15 & 20		MP1520	43.50	12/48	5/20		
20 & 20		MP2020	43.50	12/48	5/20		
20 & 20		MP2020N (Non-CTL)	56.00	12/48	5/20		
20 & 30		MP2030	43.50	12/48	5/20	#14-#6	#12-#6
30 & 30		MP3030	43.50	12/48	5/20		

## Triplex, 2 Independent Poles & 2 Common Trip Poles 120/240V AC<sup>①</sup> (Type MH-T)

Amps	Outside Poles <sup>②</sup>	Common Trip Poles <sup>③</sup>	Symb.	Catalog Number	List Price \$	Std. Sleeve/ Carton	Approx. Wgt. Lbs. Sleeve/ Carton	Wire Range	
								Cu	Al
15	15	20	Fig-2	MP21515	85.00	6/24	5/20	#14-#8	#12-#8
15	20	20		MP22015	85.00	6/24	5/20		
15	30	30		MP23015	85.00	6/24	5/20	#14-#6	#12-#6
15	40	40		MP24015	85.00	6/24	5/20	#8-#6	#8-#4
15	50	50		MP25015	85.00	6/24	5/20		
20	20	20		MP22020	85.00	6/24	5/20	#14-#8	#12-#8
20	30	30		MP23020	85.00	6/24	5/20	#14-#6	#12-#6
20	40	40		MP24020	85.00	6/24	5/20	#8-#6	#8-#4
20	50	50		MP25020	85.00	6/24	5/20		

## Quadplex, 2 Non Common-Trip Outside Poles & 2 Non Common-Trip Inside Poles 120/240V AC<sup>①</sup> (Type MH-T)

Amps	Outside Poles	Inside Poles	Symb.	Catalog Number	List Price \$	Std. Sleeve/ Carton	Approx. Wgt. Lbs. Sleeve/ Carton	Wire Range	
								Cu	Al
15	15	15	Fig-3	MP215215	85.00	6/24	5/20	#14-#8	#12-#8
20	20	20		MP220220	85.00	6/24	5/20		
30	20	20		MP220230	85.00	6/24	5/20	#14-#6	#12-#6
40	20	20		MP220240	85.00	6/24	5/20	#8-#6	#8-#4
30	30	30		MP230230	85.00	6/24	5/20	#14-#6	#12-#6
40	30	30		MP230240	85.00	6/24	5/20	#8-#6	#8-#4
40	40	40		MP240240	85.00	6/24	5/20		
30	50	50		MP250230	85.00	6/24	5/20		

## Quadplex, 2 Common-Trip Outside Poles & 2 Common-Trip Inside Poles 120/240V AC<sup>①</sup> (Type MH-T)

Amps	Outside Poles	Inside Poles	Symb.	Catalog Number	List Price \$	Std. Sleeve/ Carton	Approx. Wgt. Lbs. Sleeve/ Carton	Wire Range	
								Cu	Al
15	15	15	Fig-4	MP215215CT2	89.00	6/24	5/20	#14-#8	#12-#8
20	20	20		MP220220CT2	89.00	6/24	5/20		
30	20	20		MP220230CT2	89.00	6/24	5/20	#14-#6	#12-#6
40	20	20		MP220240CT2	89.00	6/24	5/20	#8-#6	#8-#4
30	30	30		MP230230CT2	89.00	6/24	5/20	#14-#6	#12-#6
40	30	30		MP230240CT2	89.00	6/24	5/20	#8-#6	#8-#4
40	40	40		MP240240CT2	89.00	6/24	5/20		
30	50	50		MP250230CT2	89.00	6/24	5/20		

Figure 1

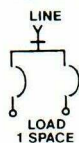


Figure 2

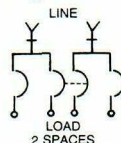


Figure 3

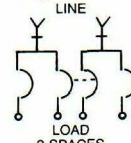
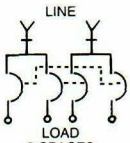


Figure 4



① All circuit breakers are UL Listed "HACR" for use on heating, air conditioning, and refrigeration multi-motor applications per 1996 NEC article #430-53.

② Two outside poles.  
③ Two inside poles.

④ Contact your local Murray sales office for availability.

## Time-Current Characteristic Curves

### 125 Amp MP Frame, Type MP-T, 1, 2 & 3 Poles

For application and coordination purposes only. Based on 40°C ambient cold start. Connected with 4 feet of rated wire (75°C) per terminal. Tested in open air with current in all poles.

Type MP-T	60 HZ 1-Pole	120/240 Volts
	60 HZ 2-Pole	120/240 Volts
	60 HZ 3-Pole	240 Volts

### 1 Pole Instantaneous Trip Table

Rating Amperes	Fixed Instantaneous Trip Amperes
15-20	160-210
25-40	350-550
45-50	450-700

### 2 & 3 Pole Instantaneous Trip Table

Rating Amperes	Fixed Instantaneous Trip Amperes
15, 25-35	350-700
20	450-700
40	350-550

### Interrupting Rating Symmetrical RMS Amperes

Breaker Type	120V	120/240V	240V
1-Pole	—	10,000	—
2-Pole	—	10,000	—
3-Pole	—	—	10,000

Footnotes refer to curve at right.

① Single pole test data at 25°C in accordance with NEMA standards.

0-30 amperes—50 seconds

31-50 amperes—80 seconds

② Sample Instantaneous shown (20 Amp 1, 2 & 3 Pole). For other instantaneous values, see tables above.

## Industry and Government Specifications

Murray circuit breakers meet or exceed the latest edition of the following specifications:

### Industry

NEMA—Standard #AB1

UL —Standard #489

CSA —Standard #C22.1, No. 5.1

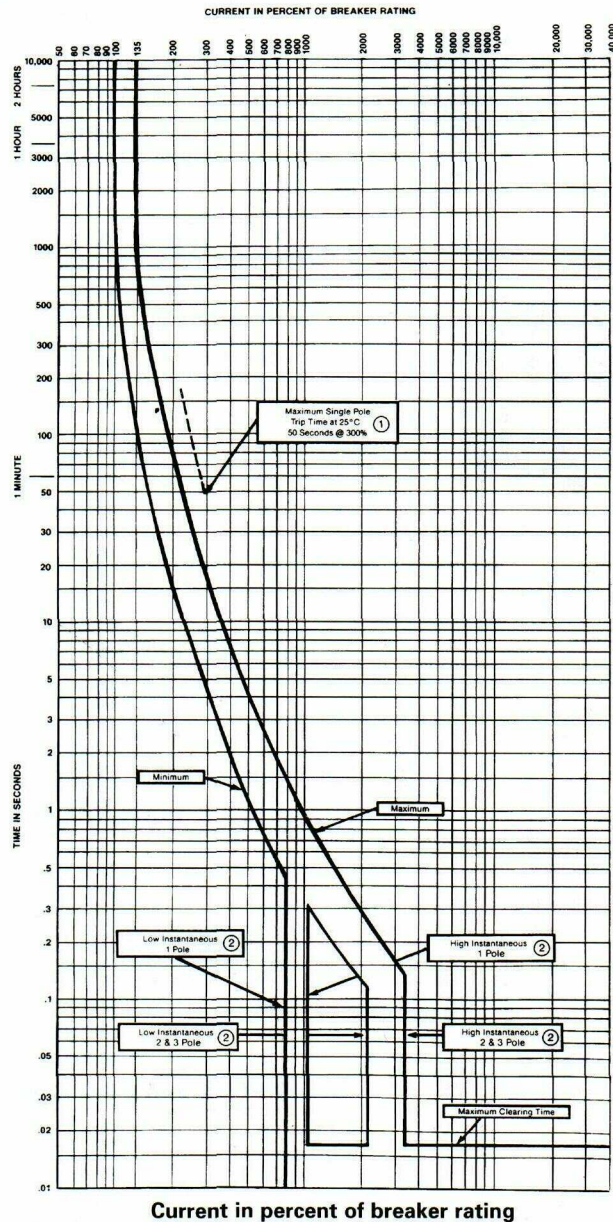
### U.S. Government

Standard #W-C-375B

### 60°C/75°C Ampacity Rating

Murray circuit breakers rated 125A and below are Listed by UL for use with 60°/75°C ampacities. This listing allows use of smaller wire sizes in many applications. Consult NEC Article #310 for application details and limitations.

### Murray Time-Current Characteristic Curves 125 AMP MP Frame, Type MP-T 1, 2 & 3 Poles



### Circuit Breaker UL Type

Catalog # Prefix	UL Type*
MP(150-200A)	MD-A, MD-H, MD-T, MD-HT
MP(15-125A)	MP-T, MP-HT, MP-MT, MG, MW
MP(Duplex)	MH-T
MP(Triplex)	MH-T
MP(GFCI)	MP-GT, MP-HGT
MP(AFCI)	MP-AF, MP-HAF

\*UL Type is shown on circuit breaker label.

### SWD

Full size, single pole 15&20 amp, UL Type MP-T circuit breakers are UL Listed "SWD", for switching duty use on circuits controlling fluorescent lights. (1996 NEC article #240-83d).

### HACR

All Murray circuit breakers are UL Listed "HACR" rated for use on heating, air conditioning and refrigeration circuits per 1996 NEC article #430-53 (c) (3).