



*Motor Circuit Protectors
GMCP/HMCP/HMCP/3-100*

Product Description

Designated as Eaton's Cutler-Hammer Types GMCP, HMCP, the instantaneous-only motor circuit protector (MCP) is available in ratings from 3A to 1200A for motor starter sizes 0 through 8. The MCP is designed to comply with the applicable requirements of Underwriters Laboratories, Inc. Standard UL489, Canadian Standards Association Standard C22.2 No. 5, and International Electrotechnical Commission Recommendations IEC 157-1.

An innovative design of internal components allows higher MCP-starter combination interrupting ratings. The MCP is marked to permit proper electrical application within the assigned equipment ratings.

The MCP is a recognized component (UL File E7819) and complies with the applicable requirements of Underwriters Laboratories, Inc. Standard UL489. It is also designed to comply with the applicable requirements of Canadian Standards Association Standard C22.2 No. 5, International Electrotechnical Commission Recommendations IEC 157-1, and nameplates bear the CE marking ^①.

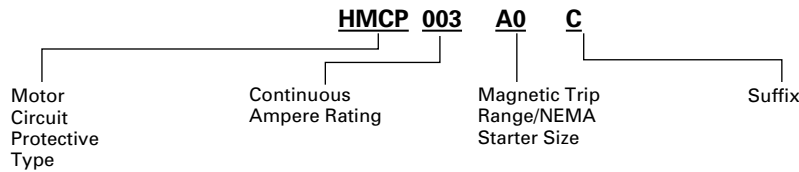
Note: Interrupting ratings are dependent on starter it is used with.

^① Available with MCP labelled from Eaton's Electrical Group in U.S.A. only.

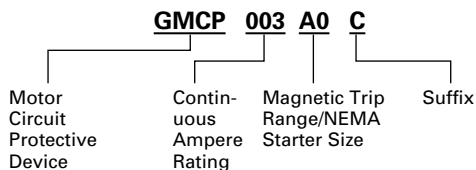
Catalogue Numbering System

This information is presented only as an aid to understanding catalogue numbers. It is not to be used to build catalogue numbers for circuit breakers or trip units.

Motor Circuit Protector Catalogue Number



Motor Circuit Protective Type	Continuous Ampere Rating	Magnetic Trip Range/NEMA Starter Size	Suffix
HMCP: 3 Poles	003	A0: 9-30/0	C: Non-Aluminum Terminals
HM2P: 2 Poles ①	007	C0: 21-70/0	W: Without Terminals - (L, N Frames Only)
HMCP5: 3 Poles	015	E0: 45-150/0	S: Visa Window ② (F, J, K, L Frames Only)
	025	D0: 40-60/0	No Suffix: Aluminum Terminals (F, J Frames only) Without Terminals (K Frame only)
	030	H1: 90-300/1	
	050	G2: 80-120/2	
	070	K2: 150-500/2	
	100	J2: 115-170/2	
	150	M2: 210-700/2	
	250	L3: 160-240/3	
	400	R3: 300-1000/3	
		T4: 450-1500/4	
		U4: 750-2500/4	
		A5: 350-700/5	
		C5: 450-900/5	
		D5: 500-1000/5	
		F5: 625-1250/5	
		G5: 750-1500/5	
		J5: 875-1750/5	
		K5: 1000-2000/5	
		L5: 1125-2250/5	
		W5: 1250-2500/5	
		N5: 1500-3000/5	
		R5: 1750-3500/5	
		X5: 2000-4000/5	
		Y5: 2250-4500/5	
	600	L6: 1800-6000/6 (Electronic)	
		X6: 500-2500/6 (Electronic)	
		Y6: 1000-4000/6 (Electronic)	
		X7: 1600-6400/7 (Electronic)	
		Y8: 2400-9600/8 (Electronic)	



Motor Circuit Protective Device	Continuous Ampere Rating	Magnetic Trip Range/NEMA Starter Size	Suffix
GMCP: 3 Poles	003	A0: 15-30/0	C: Non-Aluminum Terminals
	007	C0: 35-70/0	
	015	E0: 75-150/0	
	030	H1: 150-300/1	
	050	K2: 250-500/2	
	060	J2: 300-600/2	
	063	M2: 320-630/2	

① On J and K Frame HMCP's only.

② When a "VISA" frame is required, add suffix "S" to MCP catalogue number. ie. HMCP100R3S, HMCP250A5S, HMCP400D5S, HMCP600L6S.

G-Frame

600Y/347 Vac and 480 Vac , 250 Vdc Maximum

MCP Catalogue Number	NEMA Starter Size	Continuous Amperes	Cam Setting	Motor Full Load Amperes ^①	MCP Trip Setting ^②
GMCP003A0C	0	3	A	1.1 - 1.2	15
			B	1.3 - 1.5	18
			C	1.6 - 1.7	21
			D	1.8 - 1.9	24
			E	2.0 - 2.2	27
			F	2.3 - 2.5	30
GMCP007C0C	0	7	A	2.6 - 3.1	35
			B	3.2 - 3.6	42
			C	3.7 - 3.9	49
			D	4.3 - 4.7	56
			E	4.8 - 5.2	63
			F	5.3 - 5.7	70
GMCP015E0C	0	15	A	5.7 - 6.8	75
			B	6.9 - 7.9	90
			C	8.0 - 9.1	105
			D	9.2 - 10.3	120
			E	10.4 - 11.4	135
			F	11.5 - 12.6	150
GMCP030H1C	1	30	A	11.5 - 13.7	150
			B	13.8 - 16.0	180
			C	16.1 - 18.3	210
			D	18.4 - 20.6	240
			E	20.7 - 22.9	270
			F	23.0 - 25.2	300
GMCP050K2C	2	50	A	19.3 - 22.9	250
			B	23.0 - 26.8	300
			C	26.9 - 30.6	350
			D	30.7 - 34.5	400
			E	34.6 - 38.3	450
			F	38.4 - 42.1	500
GMCP060J2C	3	60	A	23.1 - 27.5	300
			B	27.7 - 32.2	360
			C	32.3 - 36.7	420
			D	36.9 - 41.4	480
			E	41.5 - 46.0	540
			F	46.2 - 50.5	600
GMCP063M2C	3	63	A	24.2 - 32.1	320
			B	29.1 - 34.8	380
			C	33.9 - 39.4	440
			D	38.8 - 46.4	500
			E	43.6 - 48.9	570
			F	48.5 - 53.7	630

Instruction Leaflet 15579

Note: All GMCP 3 - 63A come with line and load steel body terminals for Cu only wire.

Modifications for GMCP

Internal Accessories

 These modifications must be factory installed ^③

Type Accessory	Electrical Ratings			Contact Arrangement	Style Number	Factory Suffix
	Volts	Frequency	Amperes			
Shunt Trip ^④	120	50/60 Hz	1.1		1373D62G18	S5
Shunt Trip ^④	240	50/60 Hz	2.1		1373D62G19	S6
Auxiliary Switch ^⑤	240	50/60 Hz	6.0	1a/1b	1288C74G03	A3
Auxiliary Switch ^⑤	240	50/60 Hz	6.0	2a/2b	1288C73G03	A6
Alarm Switch ^⑤	240	50/60 Hz	6.0	Make/Break	1288C75G03	B3
Auxiliary Switch ^⑤ /Alarm Switch Combination	240	50/60 Hz	6.0	1a/1b and Make/Break	1288C76G09	B13

Note: No UVR available on GMCP.

Instruction Leaflet 15552 for Alarm Switch

Instruction Leaflet 15551 for Auxiliary Switch

Instruction Leaflet 15550 for Shunt Trip

External Mounted Accessories

Description	Number Units in Package	Style Number
Lock Dog (Non-Padlockable)	1	1294C01H01
Mounting Hardware	1	624B375G23
DIN Rail Adapter ^⑥	10	1225C79G02

Instruction Leaflet 29C191 (DIN Rail Adapter)

Vari-Depth Handle Mechanism ^⑦

Description	Catalogue Number
For Type 1 use	HRGMV11L
For Type 3R, 4X, 12 use	HRGMV14L
Close Coupled Black with Gray Handle	HRGMC10
Close Coupled Red with Yellow Handle	HRGMC30

^① Motor FLA ranges are typical. The corresponding trip setting is at 13 times the minimum FLA value shown. Where a 13 times setting is required for an intermediate FLA value, alternate cam settings and/or MCP ratings should be used.

^② For DC applications, actual trip levels are approximately 40% higher than values shown.

^③ Only one accessory may be installed in LH or RH of GMCP.

^④ LH only.

^⑤ RH only.

^⑥ For use with standard 35 mm DIN rail such as, 35 x 7.5 or 15 mm per DIN EN50022.

^⑦ For use with GMCP only.

F-Frame

600 Vac Maximum, 250 Vdc Maximum

MCP Catalogue Number	NEMA Starter Size	Continuous Amperes	Cam Setting	Motor Full Load Amperes ①	MCP Trip Setting ②
HMCP003A0C	0	3	A	.69 - .91	9
			B	.92 - 1.0	12
			C	1.1 - 1.2	15
			D	1.3 - 1.5	18
			E	1.6 - 1.7	21
			F	1.8 - 1.9	24
			G	2.0 - 2.2	27
			H	2.3 - 2.5	30
HMCP007C0C	0	7	A	1.5 - 2.0	21
			B	2.1 - 2.5	28
			C	2.6 - 3.1	35
			D	3.2 - 3.6	42
			E	3.7 - 3.9	49
			F	4.3 - 4.7	56
			G	4.8 - 5.2	63
			H	5.3 - 5.7	70
HMCP015E0C	0	15	A	3.4 - 4.5	45
			B	4.6 - 5.6	60
			C	5.7 - 6.8	75
			D	6.9 - 7.9	90
			E	8.0 - 9.1	105
			F	9.2 - 10.3	120
			G	10.4 - 11.4	135
			H	11.5 - 12.6	150
HMCP030H1C	1	30	A	6.9 - 9.1	90
			B	9.2 - 11.4	120
			C	11.5 - 13.7	150
			D	13.8 - 16.0	180
			E	16.1 - 18.3	210
			F	18.4 - 20.6	240
			G	20.7 - 22.9	270
			H	23.0 - 25.2	300
HMCP050K2C	2	50	A	11.5 - 15.2	150
			B	15.3 - 19.1	200
			C	19.2 - 22.9	250
			D	23.0 - 26.8	300
			E	26.9 - 30.6	350
			F	30.7 - 34.5	400
			G	34.6 - 38.3	450
			H	38.4 - 42.1	500
HMCP070M2C	2	70	A	16.1 - 21.4	210
			B	21.5 - 26.8	280
			C	26.9 - 32.2	350
			D	32.3 - 37.5	420
			E	37.6 - 42.9	490
			F	43.0 - 48.3	560
			G	48.4 - 53.7	630
			H	53.8 - 59.1	700
HMCP100R3C	3	100	A	23.0 - 30.6	300
			B	30.7 - 38.3	400
			C	38.4 - 46.0	500
			D	46.1 - 53.7	600
			E	53.8 - 61.4	700
			F	61.5 - 69.1	800
			G	69.2 - 76.8	900
			H	76.9 - 84.5	1000

① Motor FLA ranges are typical. The corresponding trip setting is at 13 times the minimum FLA value shown. Where a 13 times setting is required for an intermediate FLA value, alternate cam settings and/or MCP ratings should be used.

② For Dc applications, actual trip levels are approximately 40% higher than values shown.

③ Settings above 130 amperes are for special applications. C.E.C. 28-602 requires the ampere rating of the disconnecting means to be not less than 115% of the motor full load ampere rating.

F-Frame (Continued)

600 Vac Maximum, 250 Vdc Maximum

MCP Catalogue Number	NEMA Starter Size	Continuous Amperes	Cam Setting	Motor Full Load Amperes ①	MCP Trip Setting ②
HMCP150T4C	4	150	A	34.6 - 46.0	450
			B	46.1 - 57.5	600
			C	57.6 - 69.1	750
			D	69.2 - 80.6	900
			E	80.7 - 92.2	1050
			F	92.3 - 103.7	1200
			G	103.8 - 115.2	1350
			H	115.3 - 126.7	1500
HMCP150U4C	4	150	A	57.0 - 75.0	750
			B	76.0 - 95.0	1000
			C	96.0 - 114.0	1250
			D	115.0 - 130.7	1500
			E	③	1750
			F	③	2000
			G	③	2250
			H	③	2500

Instruction Leaflet 29C401

Note: For HMCP 3 - 150A with suffix "C", 3 - 100A units come with line and load steel body terminals, 3T100FB. 150A unit comes with line and load stainless steel body terminals, 3T150FB.

Special Low Magnetic Protection Application MCP

600 Vac Maximum, 250 Vdc Maximum

MCP Catalogue Number	NEMA Starter Size	Continuous Amperes	Cam Setting	Motor Full Load Amperes	MCP Trip Setting ②
HMCP025D0C	-	25A	A	-	40
			B	-	43
			C	-	46
			D	-	49
			E	-	52
			F	-	55
			G	-	58
			H	-	60
HMCP050G2C	-	50A	A	-	80
			B	-	87
			C	-	93
			D	-	98
			E	-	103
			F	-	109
			G	-	115
			H	-	120
HMCP070J2C	-	70A	A	-	115
			B	-	122
			C	-	130
			D	-	139
			E	-	145
			F	-	153
			G	-	160
			H	-	170
HMCP100L3C	-	100A	A	-	160
			B	-	174
			C	-	185
			D	-	196
			E	-	207
			F	-	218
			G	-	229
			H	-	240

Instruction Leaflet 29C407

Note: HMCP 25 - 100A come with line and load steel body terminals, 3T100FB.

MCPs for Application with Motor Starters Equipped with Electronic Overload Relays

600 Vac Maximum, 250 Vdc Maximum

MCP Catalogue Number ①	NEMA Starter Size	Continuous Amperes	Cam Setting	Motor Full Load Amperes ②	MCP Trip Setting ③
HMCP5003AOC	0	3	A	.69 - .91	9
			B	.92 - 1.0	12
			C	1.1 - 1.2	15
			D	1.3 - 1.5	18
			E	1.6 - 1.7	21
			F	1.8 - 1.9	24
			G	2.0 - 2.2	27
			H	2.3 - 2.5	30
HMCP5007COC	0	7	A	1.5 - 2.0	21
			B	2.1 - 2.5	28
			C	2.6 - 3.1	35
			D	3.2 - 3.6	42
			E	3.7 - 3.9	49
			F	4.3 - 4.7	56
			G	4.8 - 5.2	63
			H	5.3 - 5.7	70
HMCP5015E0C	0	15	A	3.4 - 4.5	45
			B	4.6 - 5.6	60
			C	5.7 - 6.8	75
			D	6.9 - 7.9	90
			E	8.0 - 9.1	105
			F	9.2 - 10.3	120
			G	10.4 - 11.4	135
			H	11.5 - 12.6	150
HMCP5030H1C	1	30	A	6.9 - 9.1	90
			B	9.2 - 11.4	120
			C	11.5 - 13.7	150
			D	13.8 - 16.0	180
			E	16.1 - 18.3	210
			F	18.4 - 20.6	240
			G	20.7 - 22.9	270
			H	23.0 - 25.2	300
HMCP5050K2C	2	50	A	11.5 - 15.2	150
			B	15.3 - 19.1	200
			C	19.2 - 22.9	250
			D	23.0 - 26.8	300
			E	26.9 - 30.6	350
			F	30.7 - 34.5	400
			G	34.6 - 38.3	450
			H	38.4 - 42.1	500
HMCP5100R3C	3	100	A	23.0 - 30.6	300
			B	30.7 - 38.3	400
			C	38.4 - 46.0	500
			D	46.1 - 53.7	600
			E	53.8 - 61.4	700
			F	61.5 - 69.1	800
			G	69.2 - 76.8	900
			H	76.9 - 84.5	1000
HMCP5150T4C	4	150	A	34.6 - 46.0	450
			B	46.1 - 57.5	600
			C	57.6 - 69.1	750
			D	69.2 - 80.6	900
			E	80.7 - 92.2	1050
			F	92.3 - 103.7	1200
			G	103.8 - 115.2	1350
			H	115.3 - 126.7	1500
HMCP5150U4C	4	150	A	57.0 - 75.0	750
			B	76.0 - 95.0	1000
			C	96.0 - 114.0	1250
			D	115.0 - 130.7	1500
			E	④	1750
			F	④	2000
			G	④	2250
			H	④	2500

Instruction Leaflet 29C401

Type ELC Current Limiter Attachment (Size 0-4)



The type ELC current limiter attachment for the MCP is designed to provide increased interrupting capacity. The combination may be used for the application up to 200,000A symmetrical at 600 Vac making the MCP suitable for use in network distribution systems or other applications where unusually high fault currents are available. The current limiter connects to the load end of the MCP and is provided with terminals suitable for copper or aluminum conductors. (See table).

Limiters are coordinated with the MCP so that normal fault currents are interrupted automatically by the MCP without any damage to the limiter. Only the rare very high fault is opened by the limiter. Faults that are interrupted by the limiter also magnetically trip the MCP, opening all three poles, preventing single-phase operation.

Each of the three poles of the type ELC limiter is equipped with an indicator that extends when a fault is interrupted by the limiter.

Type ELC Current Limiter Terminal Wire Sizes ⑤

Type ELC Current Limiter Maximum Amperes	Standard Aluminum Terminals		Nonstandard Terminals (Steel)	
	Wire Range AWG	Metric (mm ²)	Wire Range AWG	Metric (mm ²)
50	#14-2	2.5-35	#14-2 ⑥	2.5-35
100	#1-4/0	50-95	-	-
150	#1-4/0	50-95	-	-

ELC Current Limiter Attachment

MCP Rating (Amperes)	Catalogue Number
3	ELC3003R
7	ELC3007R
15	ELC3015R
30	ELC3030R
50	ELC3050R
100	ELC3100R
150	ELC3150R

Instruction Leaflet 29C401

- ① HMCP5 3-100A come with line and load steel body terminals, 3T100FB. HMCP5 150A comes with line and load steel body terminals, 3T150FB.
- ② Motor FLA ranges are typical. The corresponding trip setting is at 13 times the minimum FLA value shown. Where a 13 times setting is required for an intermediate FLA value, alternate cam settings and/or MCP ratings should be used.
- ③ For Dc applications, actual trip levels are approximately 40% higher than values shown.
- ④ Settings above 130 amperes are for special applications. C.E.C. 28-602 requires the ampere rating of the disconnecting means to be not less than 115% of the motor full load ampere rating.
- ⑤ Terminal wire connectors are UL listed for standard stranded wire sizes as defined in UL486A or UL486B and CSA Standard C22.2 No. 65.
- ⑥ Optional on special order for copper cable only.

J-Frame

600 Vac Maximum, 250 Vdc Maximum

MCP Catalogue Number ①	NEMA Starter Size	Continuous Amperes	Cam Setting	Motor Full Load Amperes ②	MCP Trip Setting ③
HMCP250A5	4	250	A	27.0 - 30.7	350
	4		B	30.8 - 33.8	400
	4		C	33.9 - 36.9	440
	5		D	37.0 - 40.3	480
	5		E	40.4 - 43.8	525
	5		F	43.9 - 46.9	570
	5		G	47.0 - 50.7	610
	5		H	50.8 - 53.8	660
	5		I	53.9 - 57.2	700
HMCP250C5	5	250	A	34.7 - 38.8	450
	5		B	38.9 - 43.4	505
	5		C	43.5 - 47.6	565
	5		D	47.7 - 52.2	620
	5		E	52.3 - 56.5	680
	5		F	56.6 - 60.7	735
	5		G	60.8 - 64.9	790
	5		H	65.0 - 69.2	845
	5		I	69.3 - 73.5	900
HMCP250D5	5	250	A	38.5 - 43.4	500
	5		B	43.5 - 48.0	565
	5		C	48.1 - 53.0	625
	5		D	53.1 - 57.6	690
	5		E	57.7 - 62.3	750
	5		F	62.4 - 67.3	810
	5		G	67.4 - 71.9	875
	5		H	72.0 - 76.9	935
	5		I	77.0 - 81.6	1000
HMCP250F5	5	250	A	48.1 - 53.8	625
	5		B	53.9 - 59.9	700
	5		C	60.0 - 66.1	780
	5		D	66.2 - 72.3	860
	5		E	72.4 - 78.4	940
	5		F	78.5 - 83.8	1020
	5		G	83.9 - 89.9	1090
	5		H	90.0 - 96.1	1170
	5		I	96.2 - 102.0	1250
HMCP250G5	5	250	A	57.7 - 64.6	750
	5		B	64.7 - 71.9	840
	5		C	72.0 - 79.2	935
	5		D	79.3 - 86.5	1030
	5		E	86.6 - 93.8	1125
	5		F	93.9 - 101.1	1220
	5		G	101.2 - 108.4	1315
	5		H	108.5 - 115.3	1410
	5		I	115.4 - 122.4	1500

MCP Catalogue Number ①	NEMA Starter Size	Continuous Amperes	Cam Setting	Motor Full Load Amperes ②	MCP Trip Setting ③
HMCP250J5	5	250	A	67.4 - 75.3	875
	5		B	75.4 - 83.8	980
	5		C	83.9 - 92.3	1090
	5		D	92.4 - 100.7	1200
	5		E	100.8 - 109.2	1310
	5		F	109.3 - 117.6	1420
	5		G	117.7 - 126.1	1530
	5		H	126.2 - 134.6	1640
	5		I	134.7 - 142.8	1750
HMCP250K5	5	250	A	77.0 - 86.6	1000
	5		B	86.6 - 96.1	1125
	5		C	96.2 - 105.7	1250
	5		D	105.8 - 115.3	1375
	5		E	115.4 - 124.9	1500
	5		F	125.0 - 134.6	1625
	5		G	134.7 - 144.2	1750
	5		H	144.3 - 153.8	1875
	5		I	153.9 - 163.3	2000
HMCP250L5	5	250	A	86.6 - 97.3	1125
	5		B	97.4 - 108.4	1265
	5		C	108.5 - 118.8	1410
	5		D	118.9 - 129.9	1545
	5		E	130.0 - 140.7	1690
	5		F	140.8 - 151.5	1830
	5		G	151.6 - 162.3	1970
	5		H	162.4 - 173.0	2110
	5		I	173.1 - 183.6	2250
HMCP250W5	5	250	A	96.2 - 108.0	1250
	5		B	108.1 - 119.9	1405
	5		C	120.0 - 132.3	1560
	5		D	132.4 - 144.2	1720
	5		E	144.3 - 156.1	1875
	5		F	156.2 - 168.0	2030
	5		G	168.1 - 179.9	2185
	5		H	180.0 - 192.3	2340
	5		I	192.4 - 204.0	2500

Instruction Leaflet 29C402

① Three-pole catalogue numbers shown. Two-pole catalogue numbers begin with "HM2P" in place of "HMCP."

② Motor FLA ranges are typical. The corresponding trip setting is at 13 times the minimum FLA value shown. Where a 13 times setting is required for an intermediate FLA value, alternate cam settings and/or MCP ratings should be used.

③ For Dc applications, actual trip levels are approximately 40% higher than values shown.

K-Frame

600 Vac Maximum, 250 Vdc Maximum

MCP Catalogue Number ①	NEMA Starter Size	Continuous Amperes	Cam Setting	Motor Full Load Amperes ②	MCP Trip Setting ③
HMCP400A5C	4	400	A	27.0 – 30.7	350
	4		B	30.8 – 33.8	400
	4		C	33.9 – 36.9	440
	5		D	37.0 – 40.3	480
	5		E	40.4 – 43.8	525
	5		F	43.9 – 46.9	570
	5		G	47.0 – 50.7	610
	5		H	50.8 – 53.8	660
	5		I	53.9 – 57.2	700
HMCP400D5	5	400	A	38.5 - 43.4	500
	5		B	43.5 - 48.0	565
	5		C	48.1 - 53.0	626
	5		D	53.1 - 57.6	690
	5		E	57.7 - 62.3	750
	5		F	62.4 - 67.3	810
	5		G	67.4 - 71.9	875
	5		H	72.0 - 76.9	935
	5		I	77.0 - 81.6	1000
HMCP400F5	5	400	A	48.1 - 53.8	625
	5		B	53.9 - 59.9	700
	5		C	60.0 - 66.1	780
	5		D	66.2 - 72.3	860
	5		E	72.4 - 78.4	940
	5		F	78.5 - 83.8	1020
	5		G	83.9 - 89.9	1090
	5		H	90.0 - 96.1	1170
	5		I	96.2 - 102.0	1250
HMCP400G5	5	400	A	57.7 - 64.6	750
	5		B	64.7 - 71.9	840
	5		C	72.0 - 79.2	935
	5		D	79.3 - 86.5	1030
	5		E	86.6 - 93.8	1125
	5		F	93.9 - 101.1	1220
	5		G	101.2 - 108.4	1315
	5		H	108.5 - 115.3	1410
	5		I	115.4 - 122.4	1500
HMCP400J5	5	400	A	67.4 - 75.3	875
	5		B	75.4 - 83.8	980
	5		C	83.9 - 92.3	1090
	5		D	92.4 - 100.7	1200
	5		E	100.8 - 109.2	1310
	5		F	109.3 - 117.6	1420
	5		G	117.7 - 126.1	1530
	5		H	126.2 - 134.6	1640
	5		I	134.7 - 142.8	1750
HMCP400K5	5	400	A	77.0 - 86.5	1000
	5		B	86.6 - 96.1	1125
	5		C	96.2 - 105.7	1250
	5		D	105.8 - 115.3	1375
	5		E	115.4 - 124.9	1500
	5		F	125.0 - 134.6	1625
	5		G	134.7 - 144.2	1750
	5		H	144.3 - 153.8	1875
	5		I	153.9 - 163.3	2000

MCP Catalogue Number ①	NEMA Starter Size	Continuous Amperes	Cam Setting	Motor Full Load Amperes ②	MCP Trip Setting ③
HMCP400L5	5	400	A	86.6 - 97.3	1125
	5		B	97.4 - 108.4	1265
	5		C	108.5 - 118.8	1410
	5		D	118.9 - 129.9	1545
	5		E	130.0 - 140.7	1690
	5		F	140.8 - 151.5	1830
	5		G	151.6 - 162.3	1970
	5		H	162.4 - 173.0	2110
	5		I	173.1 - 183.6	2250
HMCP400W5	5	400	A	96.2 - 108.0	1250
	5		B	108.1 - 119.9	1405
	5		C	120.0 - 132.3	1560
	5		D	132.4 - 144.2	1720
	5		E	144.3 - 156.1	1875
	5		F	156.2 - 168.0	2030
	5		G	168.1 - 179.9	2185
	5		H	180.0 - 192.3	2340
	5		I	192.4 - 204.0	2500
HMCP400N5	5	400	A	115.4 - 129.9	1500
	5		B	130.0 - 144.2	1690
	5		C	144.3 - 158.4	1875
	5		D	158.5 - 173.0	2060
	5		E	173.1 - 187.6	2250
	5		F	187.7 - 201.9	2440
	5		G	202.0 - 216.1	2625
	5		H	216.2 - 230.7	2810
	5		I	230.8 - 244.9	3000
HMCP400R5	5	400	A	134.7 - 151.5	1750
	5		B	151.6 - 168.4	1970
	5		C	168.5 - 185.3	2190
	5		D	185.4 - 201.9	2410
	5		E	202.0 - 218.8	2625
	5		F	218.9 - 235.7	2845
	5		G	235.8 - 252.6	3065
	5		H	252.7 - 269.2	3285
	5		I	269.3 - 285.7	3500
HMCP400X5	5	400	A	153.9 - 173.0	2000
	5		B	173.1 - 192.3	2250
	5		C	192.4 - 211.5	2500
	5		D	211.6 - 230.7	2750
	5		E	230.8 - 249.9	3000
	5		F	250.0 - 269.2	3250
	5		G	269.3 - 288.4	3500
	5		H	288.5 - 307.6	3750
	5		I	307.7 - 326.9	4000
HMCP400Y5	5	400	A	173.1 - 194.5	2250
	5		B	194.6 - 216.1	2530
	5		C	216.2 - 237.6	2810
	5		D	237.7 - 259.5	3090
	5		E	259.6 - 281.1	3375
	5		F	281.2 - 302.6	3655
	5		G	302.7 - 324.1	3935
	5		H	324.2 - 346.1	4215
	5		I	346.2 - 368.1	4500

Instruction Leaflet 29C403

① Three-pole catalogue numbers shown. Two-pole catalogue numbers begin with "HM2P" in place of "HMCP."
 ② Motor FLA ranges are typical. The corresponding trip setting is at 13 times the minimum FLA value shown. Where a 13 times setting is required for an intermediate FLA value, alternate cam settings and/or MCP ratings should be used.
 ③ For Dc applications, actual trip levels are approximately 40% higher than values shown.

L-Frame ①

600 Vac Maximum

MCP Catalogue Number	NEMA Starter Size	Continuous Amperes	Cam Setting	Motor Full Load Amperes ^②	MCP Trip Setting
HMCP600L6W	6	600	A	138.5 - 184.5	1800
	6		B	184.6 - 230.7	2400
	6		C	230.8 - 276.8	3000
	6		D	276.9 - 323.0	3600
	6		E	323.1 - 369.1	4200
	6		F	369.2 - 415.3	4800
	6		G	415.4 - 461.4	5400
	6		H	461.5 - 507.7	6000
HMCP600X6W	6	600	A	38.5 - 46.1	500
	6		B	46.2 - 61.4	600
	6		C	61.5 - 76.8	800
	6		D	76.9 - 96.1	1000
	6		E	96.2 - 115.3	1250
	6		F	115.4 - 153.7	1500
	6		G	153.8 - 192.2	2000
	6		H	192.3 - 230.7	2500
HMCP600Y6W	6	600	A	76.9 - 96.1	1000
	6		B	96.2 - 115.3	1250
	6		C	115.4 - 153.7	1500
	6		D	153.8 - 192.2	2000
	6		E	192.3 - 230.7	3500
	6		F	230.8 - 269.1	3000
	6		G	269.2 - 307.6	3500
	6		H	307.7 - 346.1	4000

Instruction Leaflet 29C404

Note: All HMCP 600A come without terminals. For terminals, see Page L-11 in the L-Frame MCCB section.

N-Frame ①

600 Vac Maximum

MCP Catalogue Number	NEMA Starter Size	Continuous Amperes	Cam Setting	Motor Full Load Amperes ^②	MCP Trip Setting
HMCP800X7W	7	800	A	123.1 - 184.5	1600
	7		B	184.6 - 246.1	2400
	7		C	246.2 - 307.6	3200
	7		D	307.7 - 369.1	4000
	7		E	369.2 - 430.7	4800
	7		F	430.8 - 492.2	5600
	7		G	492.3 - 553.7	6400
HMCP12Y8W	8	1200	A	184.6 - 276.8	2400
	8		B	276.9 - 369.1	3600
	8		C	369.2 - 461.4	4800
	8		D	461.5 - 553.7	6000
	8		E	553.8 - 646.1	7200
	8		F	646.2 - 738.4	8400
	8		G	738.5 - 830.7	9600

Note: All HMCP 800A and 1200A come without terminals. For terminals, see Page N-12 in the N-Frame MCCB section.

① Equipped with electronic trip device.

② Motor FLA ranges are typical. The corresponding trip setting is at 13 times the minimum FLA value shown. Where a 13 times setting is required for an intermediate FLA value, alternate cam settings and/or MCP ratings should be used.

**F-Frame HMCP with Earth Leakage
Ground Fault — 480 Volts**

Continuous Amperes	3-Pole Catalog Number
3 7 15	ELHMCP003A0C ELHMCP007C0C ELHMCP015E0C
25 30 50	ELHMCP025X0C ELHMCP030H1C ELHMCP050K2C
70 100 150 150	ELHMCP070M2C ELHMCP100R3C ELHMCP150T4C ELHMCP150U4C
3 7 15	ELHMCP003A0LC ELHMCP007C0LC ELHMCP015E0LC
25 30 70	ELHMCP025D0C ELHMCP030H1LC ELHMCP070J2C
100 50	ELHMCP100L3C ELHMCP050G2C
70 100	ELHMCP070J2C ELHMCP100K3C

**HMCPs for Application with Motor Starters
Equipped with Electronic Overload Relays**

3 7 15	ELHMCP003A0C ELHMCP007C0C ELHMCP015E0C
30 50 100	ELHMCP030H1C ELHMCP050K2C ELHMCP100R3C
150 150	ELHMCP150T4C ELHMCP150U4C

**J and K-Frame HMCP with Earth
Leakage Ground Fault — 480 Volts**

Continuous Amperes	3-Pole Catalog Number
250	ELHMCP250A5 ELHMCP250C5 ELHMCP250D5 ELHMCP250F5 ELHMCP250G5 ELHMCP250J5 ELHMCP250K5 ELHMCP250L5 ELHMCP250W5
400	ELHMCP400D5 ELHMCP400F5 ELHMCP400G5 ELHMCP400J5 ELHMCP400K5