

Motor Circuit Protectors

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Motor Circuit Protectors (MCP)

Product Description

Designated as Eaton's Types GMCP and HMCP, the instantaneous-only motor circuit protector (MCP) is available in ratings from 3 A to 1200 A for motor starter sizes 0 through 8.

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.

Standards and Certifications

The MCP is designed to comply with the applicable requirements of Underwriters Laboratories Standard UL 489, Canadian Standards Association Standard C22.2 No. 5.1, and International Electrotechnical Commission Recommendations IEC 157-1.

The MCP is a recognized component (UL File E7819) and complies with the applicable requirements of Underwriters Laboratories Standard UL 489. It is also designed to comply with the applicable requirements of Canadian Standards Association Standard C22.2 No. 5.1, International Electrotechnical Commission Recommendations IEC 157-1, and nameplates bear the CE marking.



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

Catalog Number Selection

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

Motor Circuit Protector

HMCP 003 A0 C			
Motor Circuit Protective Type	Continuous Ampere Rating	Magnetic Trip Range/ NEMA Starter Size	Suffix
HMCP = Three-pole	003	A0 = 9–30/0	C = Non-aluminum terminals
HM2P = Two-pole ^①	007	C0 = 21–70/0	W = Without terminals
HMCP3 = Three-pole	015	E0 = 45–150/0	X = Load terminals only
	025	D0 = 40–60/0	Y = Line terminals only
	030	H1 = 90–300/1	S = Stainless steel terminals (150A frame only)
	050	G2 = 80–120/2	No Suffix: Standard terminals on line and load
	070	K2 = 50–500/2	
	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)	
	800	X7 = 1600–6400/7 (electronic)	
	1200	Y8 = 2400–9600/8 (electronic)	

Motor Circuit Protector

GMCP 003 A0 C			
Motor Circuit Protective Device	Continuous Ampere Rating	Magnetic Trip Range/NEMA Starter Size	Suffix
GMCP = Three-pole	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	

Note

^① On J- and K-Frame HMCPs only.

Special Low Magnetic Protection Application MCP**600 Vac Maximum, 250 Vdc Maximum**

Cont. Amps	Cam Setting	MCP Trip Setting ^①	MCP Catalog Number
25	A	40	HMCP025D0C
	B	43	
	D	49	
	E	52	
	F	55	
	G	58	
	H	60	
50	A	80	HMCP050G2C
	B	87	
	C	93	
	D	98	
	E	103	
	F	109	
	G	115	
	H	120	
70	A	115	HMCP070J2C
	B	122	
	C	130	
	D	139	
	E	145	
	F	153	
	G	160	
	H	170	
100	A	160	HMCP100L3C
	B	174	
	C	185	
	D	196	
	E	207	
	F	218	
	G	229	
	H	240	

Notes

^① For DC applications, actual trip levels are approximately 40% higher than values shown.

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