Series C

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

Motor Circuit Suffix **Protective Type** Magnetic Trip Range/ NEMA Starter Size **Continuous Ampere C** = Non-aluminum terminals HMCP = Three-pole Rating W = Without terminals HM2P = Two-pole 1 **X** = Load terminals only **A0** = 9-30/0**C0** = 21-70/0003 **HMCPS** = Three-pole 007 Y = Line terminals only **S** = Stainless steel terminals $\begin{array}{l} \textbf{E0} &= 45 - 150 / 0 \\ \textbf{D0} &= 40 - 60 / 0 \end{array}$ 015 (150A frame only) 025 No Suffix: Standard terminals on line and load 030 **H1** = 90-300/1 **G2** = 80-120/2 050 **K2** = 50–500/2 **J2** = 115–170/2 070 **M2** = 210–700/2 100 **L3** = 160–240/3 **R3** = 300-1000/3 150 **T4** = 450–1500/4 **U4** = 750-2500/4 250 **A5** = 350–700/5 C5 = 450 - 900/5400 **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) 800 Y8 = 2400-9600/8 (electronic) 1200

CP 003 A0

Molded Case Circuit Breakers

Motor Circuit Protector



Note

① On J- and K-Frame HMCPs only.

G-Frame

Series C

Product Selection

2

480 Vac Maximum, 600Y/347 Vac

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

Notes

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

All GMCP 3–63A come with line and load steel body terminals for Cu only wire. Refer to Page V4-T2-122 under Optional Terminal Types.

UL recognized and CSA approved.

Series C

F-Frame

600 Vac Maximum, 250 Vdc Maximum

600 Vac Maximum, 250 Vdc Maximum, continued

NEMA Starter Size	Cont. Amps	Cam Setting	Motor Full Load Current Amperes (FLA) ①	MCP Trip Setting ²	MCP Catalog Number	NEMA Starter Size	Cont. Amps	Cam Setting	Motor Full Load Current Amperes (FLA) ①	MCP Trip Setting ©	MCP Catalog Number
0	3	А	0.69-0.91	9	HMCP003A0C	2	70	А	16.1–21.4	210	HMCP070M2C
		В	0.92-1.0	12				В	21.5 - 26.8	280	
		С	1.1-1.2	15				С	26.9 - 32.2	350	
		D	1.3–1.5	18				D	32.3–37.5	420	_
		E	1.6-1.7	21				E	37.6-42.9	490	_
		F	1.8–1.9	24				F	43.0-48.3	560	
		G	2.0-2.2	27				G	48.4–53.7	630	
		Н	2.3–2.5	30				Н	53.8-59.1	700	
0	7	А	1.5-2.0	21	HMCP007C0C	3	100	А	23.0-30.6	300	HMCP100R3C
		В	2.1–2.5	28				В	30.7–38.3	400	
		С	2.6-3.1	35				С	38.4-46.0	500	
		D	3.2–3.6	42				D	46.1–53.7	600	
		E	3.7–3.9	49				E	53.8 –61.4	700	
		F	4.3-4.7	56				F	61.5 –69.1	800	
		G	4.8-5.2	63				G	69.2-76.8	900	
		Н	5.3–5.7	70				Н	76.9–84.5	1000	
0	15	А	3.4-4.5	45	HMCP015E0C	4	150	А	34.6-46.0	450	HMCP150T4C
		В	4.6-5.6	60				В	46.1–57.5	600	
		С	5.7–6.8	75				С	57.6-69.1	750	
		D	6.9–7.9	90				D	69.2-80.6	900	
		E	8.0-9.1	105				D	69.2-80.6	900	
		F	9.2-10.3	120				E	80.7-92.2	1050	
		G	10.4-11.4	135				F	92.3-103.7	1200	
		Н	11.5 - 12.6	150				G	103.8-115.2	1350	
1	30	А	6.9–9.1	90	HMCP030H1C	_		Н	115.3-126.7	1500	
		В	9.2-11.4	120		4	150	А	57.0 - 75.0	750	HMCP150U4C
		С	11.5–13.7	150				В	76.0–95.0	1000	
		D	13.8-16.0	180				С	96.0-114.0	1250	
		E	16.1-18.3	210				D	115.0-130.7	1500	
		F	18.4-20.6	240				E	3	1750	
		G	20.7-22.9	270				F	3	2000	
		Н	23.0-25.2	300				G	3	2250	
2	50	А	11.5–15.2	150	HMCP050K2C	_		Н	3	2500	
		В	15.3–19.1	200	_	Notes					
		С	19.2-22.9	250		1 Motor	FLA ranges	are typical. T	he corresponding tr	ip setting is at 1	3 x the minimum FLA
		D	23.0-26.8	300		value : settino	snown. Whe gs and/or M	ere a 13 x set CP ratings sh	ung is required for a ould be used.	in intermediate	FLA value, alternate Cam
		E	26.9-30.6	350		② For DC	application	is, actual trip	levels are approxim	ately 40% high	er than values shown.
		F	30.7-4.5	400		(3) Settings above 130 amperes are for special applications. NEC Article 430.110(a) requires the ampere rating of the disconnecting means to be not less than 115% of the motor full load					
		G	34.6-38.3	450		amper	e rating.		5		
		Н	38.4-42.1	500		HMCP 3–100 A come with line and load steel body terminals, 3T100FB. HMCP 150A come with line and load steel body terminals, 3T150FB.					