

K-Frame

Table 12-194. 600V AC Maximum, 250V DC Maximum

NEMA Starter Size	Cont. Amps	Cam Setting	Motor Full Load Current Amps ①	MCP Trip Setting ②	MCP Catalog Number ③	Price U.S. \$
5	400	A	38.5 - 43.4	500	HMCP400D5C	3,525.
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		
5	400	A	48.1 - 53.8	625	HMCP400F5C	3,525.
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		
5	400	A	57.7 - 64.6	750	HMCP400G5C	3,525.
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		
5	400	A	67.4 - 75.3	875	HMCP400J5C	3,525.
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		
5	400	A	77.0 - 86.5	1000	HMCP400K5C	3,525.
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		
5	400	A	86.6 - 97.3	1125	HMCP400L5C	3,525.
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		

Table 12-194. 600V AC Maximum, 250V DC Maximum (Continued)

NEMA Starter Size	Cont. Amps	Cam Setting	Motor Full Load Current Amperes ①	MCP Trip Setting ②	MCP Catalog Number ③	Price U.S. \$
5	400	A	96.2 - 108.0	1250	HMCP400W5C	3,525.
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		
5	400	A	115.4 - 129.9	1500	HMCP400N5C	3,525.
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		
5	400	A	134.7 - 151.5	1750	HMCP400R5C	3,525.
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		
5	400	A	153.9 - 173.0	2000	HMCP400X5C	3,525.
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		
5	400	A	173.1 - 194.5	2250	HMCP400Y5C	3,500.
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		

- 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 Three-pole Catalog Numbers shown. Two-pole Catalog Numbers begin with **HM2P** in place of **HMCP**.

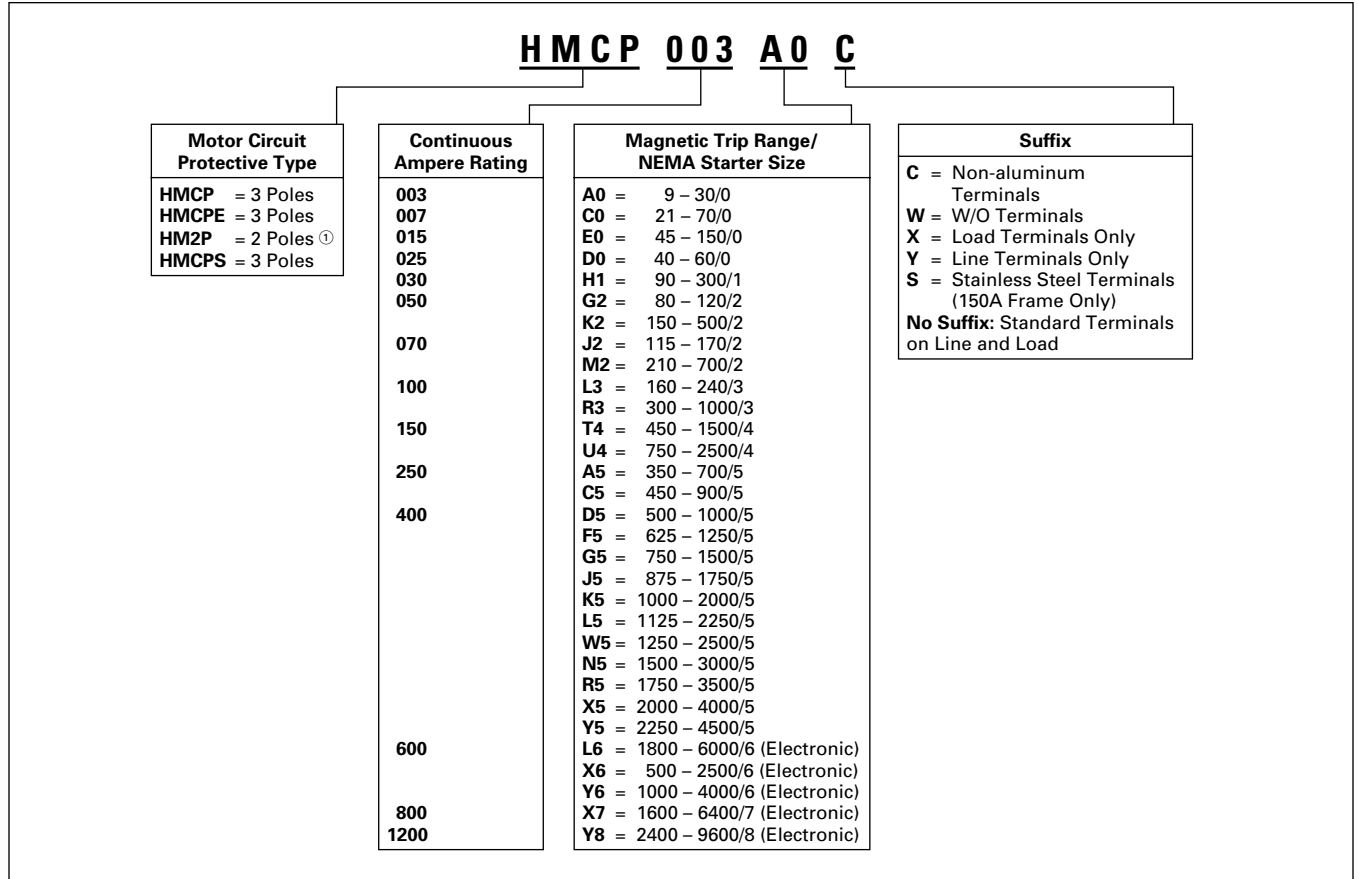
Note: Instruction Leaflet/FRED Number 29C403
Note: All HMCP and HM2P 400A come with aluminum body terminals, 3TA400K.

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Product Selection

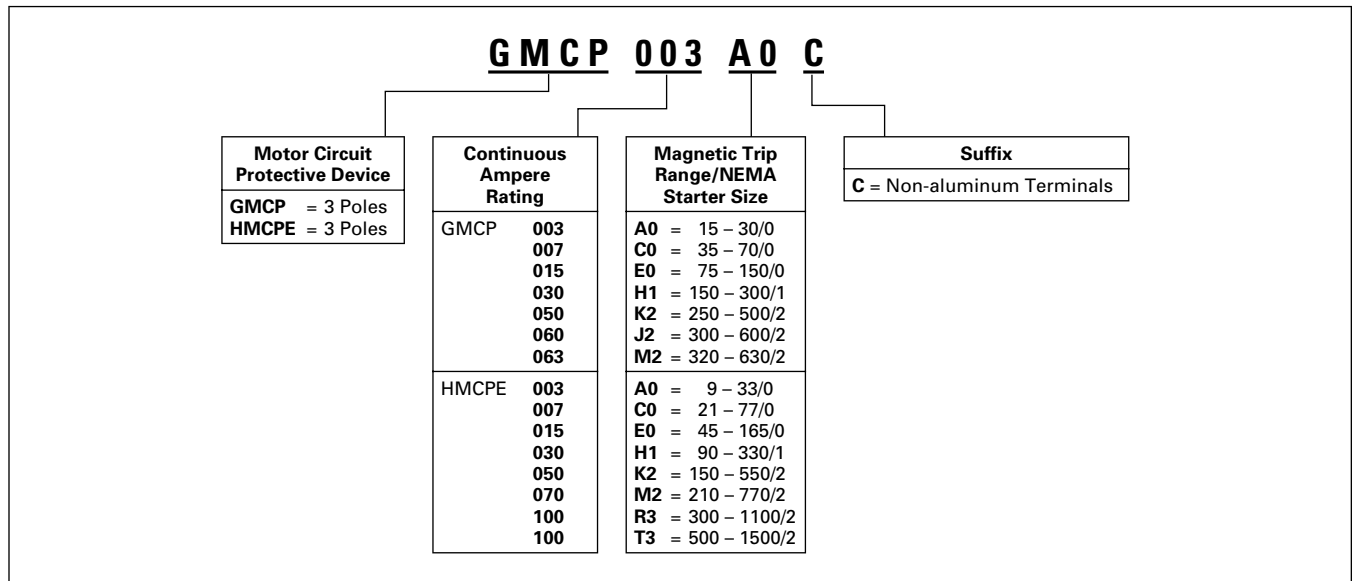
This information is presented only as an aid to understanding Catalog Numbers. It is not to be used to build Catalog Numbers for circuit breakers or trip units.

Table 12-181. Motor Circuit Protector Catalog Numbering System



① On J- and K-Frame HMCPs only.

Table 12-182. Motor Circuit Protector Catalog Numbering System



Shunt Trip

Table 12-335. G-Frame Shunt Trip (LH 3-Pole only)

Electrical Ratings			Catalog Number	Price U.S. \$	Suffix Number	Adder U.S. \$
Volts	Frequency	Amp				
120	50/60 Hz	1.1	1373D62G01	489.	S1	489.
240	50/60 Hz	2.1	1373D62G02	489.	S2	489.
12	DC	2.8	1373D62G15	489.	S3	489.
24	DC	5.7	1373D62G16	489.	S4	489.
24	60 Hz	-	1373D62G20	489.	S7	489.

Note: Instruction Leaflet/FRED Number 15550

Table 12-336. E125 Shunt Trip

Electrical Ratings		Catalog Number	Price U.S. \$
Volts	Frequency Hz		
12 - 60	50/60, DC	SNT060CPK	489.
110 - 240 ①	50/60, DC	SNT120CPK	489.
380 - 600	50/60	SNT480CPK	489.

① Suitable for use in ground fault applications.

Note: Instruction Leaflet/FRED Number 29C152

Table 12-337. F-Frame Shunt Trip

Voltage Rating (AC Frequency = 50/60 Hz)	Factory Mounted								Field Mounted					
	Connection Type and Location								Field Installation Kits ②					
	18-Inch (457.2 mm) Pigtail Leads ③								Terminal Block		Pigtail Leads		Terminal Block	
	Same Side				Rear ④		Opposite Side		Same Side					
	Suffix Number	Adder U.S. \$	Suffix Number	Adder U.S. \$	Suffix Number	Adder U.S. \$	Suffix Number	Adder U.S. \$	Suffix Number	Adder U.S. \$	Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$

Left-Pole Mounting AC/DC Ratings

12 - 24V AC or DC	S01	489.	S02	489.	S03	489.	S04	489.	SNT1LP03K	489.	SNT1LT03K	489.
48 - 127V AC or 48 - 60V DC ⑤	S05	489.	S06	489.	S07	489.	S08	489.	SNT1LP08K	489.	SNT1LT08K	489.
208 - 380V AC or 110 - 127V DC	S09	489.	S10	489.	S11	489.	S12	489.	SNT1LP12K	489.	SNT1LT12K	489.
415 - 600V AC or 220 - 250V DC	S13	489.	S14	489.	S15	489.	S16	489.	SNT1LP18K	489.	SNT1LT18K	489.

Right- or Neutral-Pole Mounting AC/DC Ratings ⑥

12 - 24V AC or DC	S17	489.	S18	489.	S19	489.	S20	489.	SNT1RP03K	489.	SNT1RT03K ⑦	489.
48 - 127V AC or 48 - 60V DC ⑤	S21	489.	S22	489.	S23	489.	S24	489.	SNT1RP08K	489.	SNT1RT08K ⑦	489.
208 - 380V AC or 110 - 127V DC	S25	489.	S26	489.	S27	489.	S28	489.	SNT1RP12K	489.	SNT1RT12K ⑦	489.
415 - 600V AC or 220 - 250V DC	S29	489.	S30	489.	S31	489.	S32	489.	SNT1RP18K	489.	SNT1RT18K ⑦	489.

② Not listed with Underwriters Laboratories, for field installation.

③ Pigtail wire size: 18 AWG (0.82 mm²).

④ Standard pigtail lead exit location.

⑤ 120V AC marked suitable for ground fault protection devices.

⑥ Standard mounting location.

⑦ Not for use on 4-pole circuit breakers.

Note: Instruction Leaflet/FRED Number 29C140

Table 12-338. J250 Shunt Trip

Electrical Ratings		Catalog Number	Price U.S. \$
Volts	Frequency Hz		
12 - 60	50/60, DC	SNT060CPK	489.
110 - 240 ⑧	50/60, DC	SNT120CPK	489.
380 - 600	50/60	SNT480CPK	489.

⑧ Suitable for use in ground fault applications.

Note: Instruction Leaflet/FRED Number 29C152

Note: G-Frame circuit breakers are factory sealed. Underwriters Laboratories requires that internal accessories be installed at the factory.

Internal accessories are UL listed for factory installation under E7819.

Where local codes and standards permit and UL listing is not required, internal accessories can be field installed. Accessory installation should be done before the circuit breaker is mounted and connected.