

Motor Circuit 480 Vac, Protectors



Motor Circuit Protectors (MCP)

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Product Selection Guide and Ordering Information

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EG-Frame—480 Vac, 600Y/347 Vac Maximum ^①

| Continuous Amperes | Cam Setting | Motor Full Load Current Amperes ^② | MCP Trip Setting ^③ | MCP Catalog Number |
|--------------------|-------------|--|-------------------------------|--------------------|
| 3 | A | 0.69–0.91 | 9 | HMCPE003A0C |
| | B | 1.1–1.3 | 15 | |
| | C | 1.6–1.7 | 21 | |
| | D | 2.0–2.2 | 27 | |
| | E | 2.3–2.5 | 30 | |
| | F | 2.6–2.8 | 33 | |
| 7 | A | 1.5–2.0 | 21 | HMCPE007C0C |
| | B | 2.6–3.1 | 35 | |
| | C | 3.7–3.9 | 49 | |
| | D | 4.8–5.2 | 63 | |
| | E | 5.3–5.7 | 70 | |
| | F | 5.8–6.1 | 77 | |
| 15 | A | 3.4–4.5 | 45 | HMCPE015E0C |
| | B | 5.7–6.8 | 75 | |
| | C | 8.0–9.1 | 105 | |
| | D | 10.4–11.4 | 135 | |
| | E | 11.5–12.6 | 150 | |
| | F | 12.7–13.0 | 165 | |
| 30 | A | 3.9–9.1 | 90 | HMCPE030H1C |
| | B | 11.5–13.7 | 150 | |
| | C | 16.1–18.3 | 210 | |
| | D | 20.7–22.9 | 270 | |
| | E | 23.0–25.2 | 300 | |
| | F | 25.3–26.1 | 330 | |

Notes

- ① UL listed for use with Eaton Motor Starters.
- 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.

EG-Frame—480 Vac, 600Y/347 Vac Maximum, continued ^①

| Continuous Amperes | Cam Setting | Motor Full Load Current Amperes ^② | MCP Trip Setting ^③ | MCP Catalog Number |
|--------------------|-------------|--|-------------------------------|--------------------|
| 50 | A | 11.5–15.2 | 150 | HMCPE050K2C |
| | B | 19.2–22.9 | 250 | |
| | C | 26.9–30.6 | 350 | |
| | D | 34.6–38.3 | 450 | |
| | E | 38.4–42.1 | 500 | |
| | F | 42.2–43.5 | 550 | |
| 70 | A | 16.1–30.6 | 210 | HMCPE070M2C |
| | B | 26.9–32.2 | 350 | |
| | C | 37.6–42.9 | 490 | |
| | D | 48.4–53.7 | 630 | |
| | E | 53.8–59.1 | 700 | |
| | F | 59.2–60.9 | 770 | |
| 100 | A | 23.0–30.6 | 300 | HMCPE100R3C |
| | B | 38.4–46.0 | 500 | |
| | C | 53.8–61.4 | 700 | |
| | D | 69.2–76.8 | 900 | |
| | E | 76.9–84.5 | 1000 | |
| | F | 84.6–87.0 | 1100 | |
| 100 | A | 38.4–46.0 | 500 | HMCPE100T3C |
| | B | 57.6–65.2 | 750 | |
| | C | 76.9–84.5 | 1000 | |
| | D | ④ | 1250 | |
| | E | ④ | 1375 | |
| | F | ④ | 1500 | |

JG-Frame—600 Vac Maximum, 250 Vdc Maximum ^①

| Continuous Amperes | MCP Trip Range (Amperes) | MCP Catalog Number |
|--------------------|--------------------------|--------------------|
| 250 | 500–1000 | HMCPJ250D5L |
| | 625–1250 | HMCPJ250F5L |
| | 750–1500 | HMCPJ250G5L |
| | 875–1750 | HMCPJ250J5L |
| | 1000–2000 | HMCPJ250K5L |
| | 1125–2250 | HMCPJ250L5L |
| | 1250–2500 | HMCPJ250W5L |

Notes

- ^① UL listed for use with Eaton Motor Starters.
- ^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 $10 \times I_n$ are for special applications. Where the ampere rating of the disconnecting means cannot be less than 115% of the motor full load ampere rating.

LG-Frame—600 Vac Maximum, 250 Vdc Maximum ^①

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| Continuous Amperes | MCP Trip Range (Amperes) | MCP Catalog Number |
|--------------------|--------------------------|--------------------|
| 600 | 1250–2500 | HMCPL600L6G |
| | 1500–3000 | HMCPL600N6G |
| | 1750–3500 | HMCPL600R6G |
| | 2000–4000 | HMCPL600X6G |
| | 2250–4500 | HMCPL600Y6G |
| | 2500–5000 | HMCPL600P6G |
| | 3000–6000 | HMCPL600M6G |

Notes

① UL listed for use with Eaton Motor Starters.

800 and 1200 ampere, 600 Vac maximum motor circuit protectors are available as Series C HMCP product.