

Imperial Thread Mounting Hardware

| Number of Poles | Description | Type of Mounting | Catalog Number |
|----------------------|---|------------------|-------------------|
| F-Frame | | | |
| 1 | 0.164-32 x 3.188-inch pan-head steel screws, lockwashers and clamps | Individual | 624B375G01 |
| | | Group ① | 624B375G02 |
| 2 | 0.164-32 x 1.5-inch pan-head steel screws and lockwashers | Individual | 4218B80G01 |
| 3, 4 | 0.164-32 x 1.5-inch pan-head steel screws and lockwashers | Individual | BMH1 |
| J-Frame | | | |
| 2, 3, 4 | 0.250-20 x 2.75 inch pan-head steel screws and lockwashers | Individual | BMH2 |
| K-Frame | | | |
| 2, 3, 4 | 0.250-20 x 1.5 inch pan-head steel screws and lockwashers | Individual | BMH3 |
| L-Frame | | | |
| 2, 3, 4 | 0.250-20 x 1.5 inch filister-head steel screws and lockwashers and flat washers | Individual | BMH4 |
| M-Frame | | | |
| 2, 3 | 0.3125-18 x 1.25 inch filister-head steel screws and lockwashers and flat washers | Individual | BMH5 |
| N-Frame | | | |
| 2, 3, 4 | 0.3125-18 x 1.25 inch pan-head steel screws and lockwashers | Individual | BMH5 |
| R-Frame | | | |
| Supplied by customer | | | |

Metric Thread Mounting Hardware

| Number of Poles | Description | Type of Mounting | Catalog Number |
|----------------------|---|------------------|-------------------|
| F-Frame | | | |
| 1 | M4-0.7 x 80 mm pan-head steel screws, lockwashers, and clamps | Individual | 4218B80G09 |
| | | Group ① | 4218B80G10 |
| 2 | M4-0.7 x 38 mm pan-head steel screws and lockwashers | Individual | 4218B80G11 |
| 3, 4 | M4-0.7 x 38 mm pan-head steel screws and lockwashers | Individual | BMH1M |
| J-Frame | | | |
| 2, 3, 4 | M6-0.7 x 70 mm pan-head steel screws and lockwashers | Individual | BMH2M |
| K-Frame | | | |
| 2, 3, 4 | M6-0.7 x 38 mm pan-head steel screws and lockwashers | Individual | BMH3M |
| L-Frame | | | |
| 2, 3 | — | Individual | BMH4M |
| M-Frame | | | |
| 2, 3 | — | Individual | BMH5M |
| N-Frame | | | |
| 2, 3 | — | Individual | BMH5M |
| R-Frame | | | |
| Supplied by customer | | | |

Note

① One set of hardware for two circuit breakers.

GP, FP, KP, LP and MP Frames



Definite Purpose Molded Case Circuit Breaker Family

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Definite Purpose Molded Case Circuit Breakers

Optimized solution for HVAC/R and Pumping Applications.

Product Overview

GP, FP, KP, LP and MP Frames 15–800 Amperes NEMA 480 Vac

Eaton's Definite Purpose molded case circuit breakers are available in three-pole configurations, and are designed to meet the specific requirements of HVAC/R and pumping applications.

As with other members of Eaton's family of molded case circuit breakers, Definite Purpose breakers provide high quality, reliability, unmatched performance and outstanding value.

Eaton's Definite Purpose breakers are rated from 15–800 A and are available in five frame sizes. Each frame size has the same compact outside dimensions as Series C breakers.

Additionally, Definite Purpose breakers have been rigorously tested to the UL 489 standard. They are assembled in an ISO certified facility.

Trip Units and Terminals

Definite Purpose breakers contain factory-sealed thermal-magnetic trip units.

The GP-Frame breaker (15–100 A) includes line and load terminals and breaker mounting hardware.

FP (15–225A), KP (200–400 A), LP (450–600 A) and MP (700–800 A) Frames ship standard without mounting hardware. For line and load terminals, add "L" to the end of the catalog number or "W" for no terminals.

External Accessories

Definite Purpose breakers use the same external accessories as Series C breakers: handle mechanisms, motor operators, lock-off devices, busbar extensions and multiple terminal arrangements.

Features

2

Base Mounting Hardware

English base mounting hardware is included with GP frame only. For all other frames, order base mounting hardware separately as per the table to the right.

Base Mounting Hardware

| Frame | Catalog Number | |
|-------|----------------|--------------|
| | English | Metric |
| GP | Included | — |
| FP | BMH1 | BMH1M |
| KP | BMH3 | BMH3M |
| LP | BMH4 | BMH4M |
| MP | BMH5 | BMH5M |

Note: Base mounting hardware, is included with GP-Frame breakers. A separate catalog number is not required.

Line and Load Terminals

Both line and load terminals are included with GP-Frame Definite Purpose breakers. For all other frames, add “L” for line and load terminals to be included or “W” for no terminals.

Line and Load Termination

| Breaker | Termination Type | Awg Wire Range | Metric Wire Range (mm) | Wire Type | Bolt Size English | Bolt Size Metric | Torque Lb-In | Torque Nm | Catalog Number |
|---------|------------------|----------------|------------------------|-----------|-------------------|------------------|--------------|-----------|----------------|
| GP | Wire | #14–1/0 | 2.5–50 | Cu only | — | — | 45 | 5.1 | Included |

Optional Line and Load Terminals

| Breaker | Maximum Amperes | Awg Wire Range | Wire Type | Catalog Number | Catalog Number with Control Wire Termination |
|---------|-----------------|----------------|-----------|---------------------|--|
| FP | 100 | #14–#10 | Cu/Al | 3T100FB ① | — |
| | 100 | #8 | Cu/Al | 3T100FB ① | — |
| | 100 | #6–#4 | Cu/Al | 3T100FB ① | — |
| | 100 | #3–4/0 | Cu/Al | 3T100FB ① | — |
| | 200 | #3–4/0 | Cu only | 3T150FB ① | — |
| | 225 | #4–4/0 | Cu/Al | 3TA225FB ① | — |
| | 225 | #6–300 | Cu/Al | 3TA225FDK3 ① | — |
| | 225 | #6–300 | Cu/Al | 3TA225FDK ①② | — |
| KP | 400 | 250–500 (1) | Cu/Al | TA350K | — |
| | 400 | 3/0–250 (2) | Cu/Al | 3TA400K ① | 3TA400KCW |
| LP | 500 | 250–350 (2) | Cu/Al | TA602LD | TA602LDCW |
| | 600 | 400–500 (2) | Cu/Al | 3TA603LDK ① | 3TA603LDCW |
| MP | 800 | 3/0–400 (3) | Cu/Al | TA800MA2 | TA800MA2CWT |
| | 800 | 500–750 (2) | Cu/Al | TA801MA | TA801MACWT |

Accessories

End Cap Accessory Kit

End caps for line and load conductor termination are optional with each breaker. End caps secure the conductor with a ring-type connector. The kit includes one end cap, three cap screws, three nuts and three lock washers.

Series C Accessories

For internal accessories, see **Page V4-T2-273**.

For external accessories, see **Page V4-T2-306**.

Notes

- ① Package of three terminals.
- ② Replacement use only.

End Cap Accessory Kit

