

## M2 (HBM1) Moulded Case Circuit Breaker



### 1. Application

M2 series moulded case circuit breaker is one of products developed and manufactured by adopting international advanced technology. It is supplied with rated insulating voltage 800V and used for circuit of A.C. 50Hz, rated operating voltage AC 400V (or below), rated operating current up to 800A for infrequent changing over and starting of the motors. The products conform to IEC60947-2 standard.

### 2. Main technical parameter

Table 1

| Type     | Rated current (A)                         | Pole number | Rated insulating voltage (V) | Rated operating voltage (V) | Arcing-over distance (mm) | Ultimate short circuit breaking capacity (KA) | Services short circuit breaking capacity (KA) | Operation performance |        | Utilization category |
|----------|-------------------------------------------|-------------|------------------------------|-----------------------------|---------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------|--------|----------------------|
|          |                                           |             |                              |                             |                           |                                               |                                               | Load                  | Unload |                      |
| M2-63L   | (6), 10, 16, 20, 25, 32, 40, 50, 63       | 3, 4        | 500V                         | 400V                        | 0                         | 25                                            | 18                                            | 1500                  | 8500   | A                    |
| M2-63M   |                                           |             |                              |                             | 0                         | 50                                            | 35                                            |                       |        |                      |
| M2-100L  | (10), 16, 20, 25, 32, 40, 50, 63, 80, 100 |             | 0(≤ 50)                      |                             | 35                        | 22                                            |                                               |                       |        |                      |
| M2-100M  |                                           |             | 0(≤ 50)                      |                             | 50                        | 35                                            |                                               |                       |        |                      |
| M2-100H  |                                           |             | 0(≤ 50)                      |                             | 85                        | 50                                            |                                               |                       |        |                      |
| M2-225L  | 100, 125, 160, 180, 200, 225              |             | ≤ 50                         |                             | 35                        | 22                                            | 1000                                          | 7000                  |        |                      |
| M2-225M  |                                           |             | ≤ 50                         |                             | 50                        | 35                                            |                                               |                       |        |                      |
| M2-225H  |                                           |             | ≤ 50                         |                             | 85                        | 50                                            |                                               |                       |        |                      |
| M2-400L  | 225, 250, 315, 350, 400                   |             | ≤ 50                         |                             | 50                        | 35                                            | 1000                                          | 4000                  |        |                      |
| M2-400M  |                                           |             | ≤ 100                        |                             | 65                        | 42                                            |                                               |                       |        |                      |
| M2-630L  | 400                                       |             | ≤ 100                        |                             | 50                        | 35                                            |                                               |                       |        |                      |
| M2-630M  | 500                                       |             | ≤ 100                        |                             | 65                        | 42                                            |                                               |                       |        |                      |
| M2-630H  | 630                                       |             | ≤ 100                        |                             | 100                       | 65                                            |                                               |                       |        |                      |
| M2-800M  | 630, 700, 800                             |             | ≤ 100                        |                             | 75                        | 50                                            |                                               |                       |        |                      |
| M2-800H  |                                           |             | ≤ 100                        |                             | 100                       | 65                                            |                                               |                       |        |                      |
| M2-1250M | 1000, 1250                                |             | ≤ 100                        |                             | 100                       | 65                                            |                                               |                       |        |                      |
| M2-1250H |                                           |             | ≤ 100                        |                             | 125                       | 75                                            |                                               |                       |        |                      |

Note: 6A no thermal protection

The N-pole of four-poles breaker is sified at the right side of the product has four types:

Type A: No current trip-lease on N pole which making all the time, not closing and opening with the other three poles.

Type B: No current trip-release on N pole which closing and opening with the other poles.

Type C: With current trip-release which closing and opening with the other three poles.

Type D: With current frip-release which making all the time not closing and opening with the other three poles.