

**MAXGE**

# MCCB

Moulded Case Circuit Breaker



|                         |                                           |                             |                                         |                                                                |                    |
|-------------------------|-------------------------------------------|-----------------------------|-----------------------------------------|----------------------------------------------------------------|--------------------|
| Product category        | SGM series Moulded Case Circuit Breaker   |                             |                                         |                                                                |                    |
| Design code             | 6                                         |                             |                                         |                                                                |                    |
| Type code               | Fixed Type (I)                            | Thermal Adjustable Type (s) | Thermal & Magnetic Adjustable Type (sm) | Electronic Type with Knobs (E)<br>Electronic Type with LCD (i) | With ELCB Type (L) |
| Design code             | 125A,160A,250A,400A,630A,800A/1000A,1600A |                             |                                         |                                                                |                    |
| Breaking capacity level | C*,L,M,H,H max                            |                             |                                         |                                                                |                    |
| Pole                    | 3P,4P                                     |                             |                                         |                                                                |                    |
| Rated current           | 16-1600A                                  |                             |                                         |                                                                |                    |

|      |   |     |   |   |   |     |   |   |    |      |
|------|---|-----|---|---|---|-----|---|---|----|------|
| e.g. | : | SGM | 6 | s | - | 125 | M | / | 3P | 125A |
|------|---|-----|---|---|---|-----|---|---|----|------|



**Fixed Type**

**SGM6 Moulded Case Circuit Breaker**

**KEMA  
EUR**

**DEKRA**

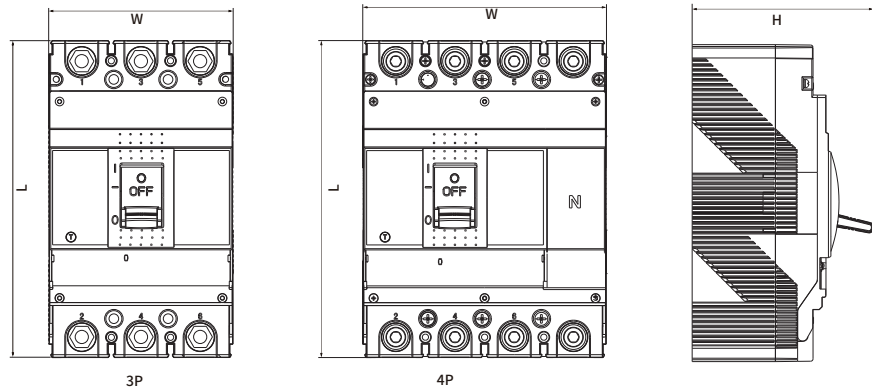
| Ratings And Specifications                                          |                                                                                                                                          | Fixed Type |                                                                                            |
|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------------------------------------------------------------------------------|
| Frame Size                                                          | <br>125                                                 |            | <br>125 |
| Model                                                               | SGM6-125                                                                                                                                 |            |                                                                                            |
| Number of poles                                                     | 3,4                                                                                                                                      |            |                                                                                            |
| Rated current(A) In                                                 | 16,20,25,30,32,40, 50,60,63,70,75,80, 90,100,125                                                                                         |            |                                                                                            |
| Magnetic tripping current (Ii)                                      | 10*I <sub>n</sub> for 32 – 125 A<br>320A for 16-30 A                                                                                     |            |                                                                                            |
| Standard                                                            | IEC60947-2                                                                                                                               |            |                                                                                            |
| Reference temperature                                               | 40°C/55°C                                                                                                                                |            |                                                                                            |
| Rated operational voltage                                           | 380/400/415V AC                                                                                                                          |            |                                                                                            |
| Rated insulation voltage U <sub>i</sub> (V)                         | 800                                                                                                                                      |            |                                                                                            |
| Rated impulse withstand voltage U <sub>imp</sub> (kV)               | 8                                                                                                                                        |            |                                                                                            |
| Breaking capacity level                                             | Le                                                                                                                                       | M          | H                                                                                          |
| Rated ultimate short-circuit breaking capacity I <sub>cu</sub> (kA) | 10                                                                                                                                       | 25         | 36                                                                                         |
| Rated service short-circuit breaking capacity I <sub>cs</sub> (kA)  | 10                                                                                                                                       | 18         | 25                                                                                         |
| I <sub>cu</sub> =I <sub>cs</sub> (KA)                               | 10                                                                                                                                       | 18         | 25                                                                                         |
| Mechanical Endurance<br>Electrical Endurance                        | for 16-100A                                                                                                                              |            | for 125A                                                                                   |
|                                                                     | 8500<br>1500                                                                                                                             |            | 7000<br>1000                                                                               |
| Installation                                                        | Auxiliary contact(OF)<br>Alarm switch(SD)<br>Shunt trip(MX)<br>Under-voltage release(MN)<br>AC Motor Mechanism<br>Extended Rotary Handle |            |                                                                                            |

## Product Dimension Drawing

## Fixed Type

### SGM6

125,160,250,400,  
630,800/1000 (3P/4P)

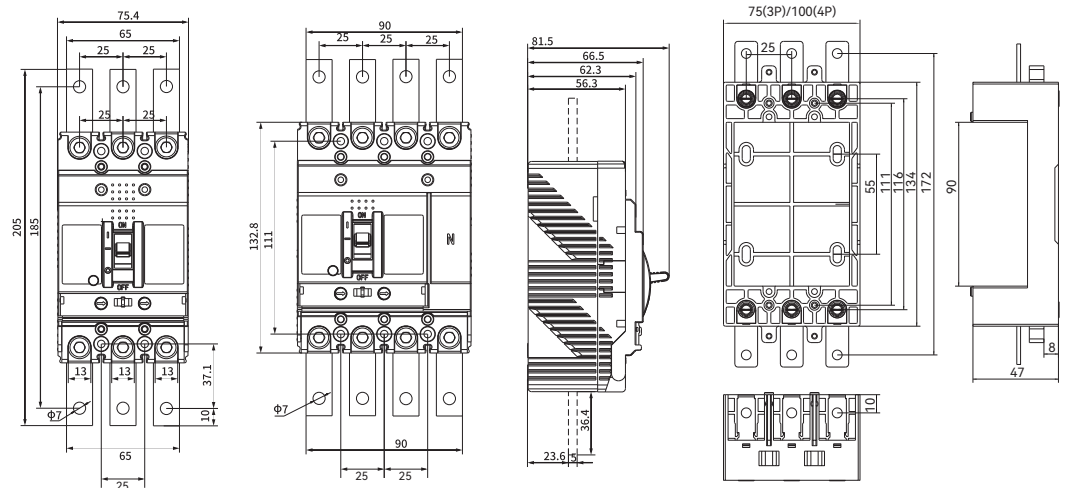


#### ■ Front connection

Note: All dimensions are in mm

#### ■ Front connection(mm)

Note: All dimensions are in mm



### SGM6/6S

125 (3P/4P)

### SGM6 Dimensions mm(L×W×H)

| Frame Size |        | 125 |    |        |     |
|------------|--------|-----|----|--------|-----|
| 3P         | Length | 133 | 4P | Length | 133 |
|            | Width  | 75  |    | Width  | 100 |
|            | Height | 81  |    | Height | 81  |