



EMERGENCY STOP SWITCH

Aluminum guard



| Model | Code | Description |
|---------------------|---|--|
| MRE- | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | Emergency stop switch |
| Actuator | A | Flush (Installing hole: Ø30) |
| | N | Flush (Installing hole: Ø25) |
| | R | Extended (Installing hole: Ø22) |
| Operation function | M | Momentary  |
| | R | Push lock turn reset  |
| Contact composition | 1 | 1a1b |
| | 2 | 2a2b |
| Cap (LED color) | R | R(Red), G(Green) ※Push lock turn reset : only R(Red) |

MRE-AM Flush (Ø30)



MRE-AR Flush (Ø30)



MRE-NM Flush (Ø25)



MRE-NR Flush (Ø25)



MRE-RM Extended (Ø22)



MRE-RR Extended (Ø22)



EMERGENCY STOP SWITCH

Plastic guard



| Model | Code | Description |
|---------------------|---|--|
| MRE- | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | Emergency stop switch |
| Actuator | K | Flush (Installing hole: Ø25) |
| | T | Extended (Installing hole: Ø22) |
| Operation function | M | Momentary |
| | R | Push lock turn reset |
| Contact composition | 1 | 1a1b |
| | 2 | 2a2b |
| Cap (LED color) | R | R(Red), G(Green) ※Push lock turn reset : only R(Red) |

MRE-KM Flush (Ø25)



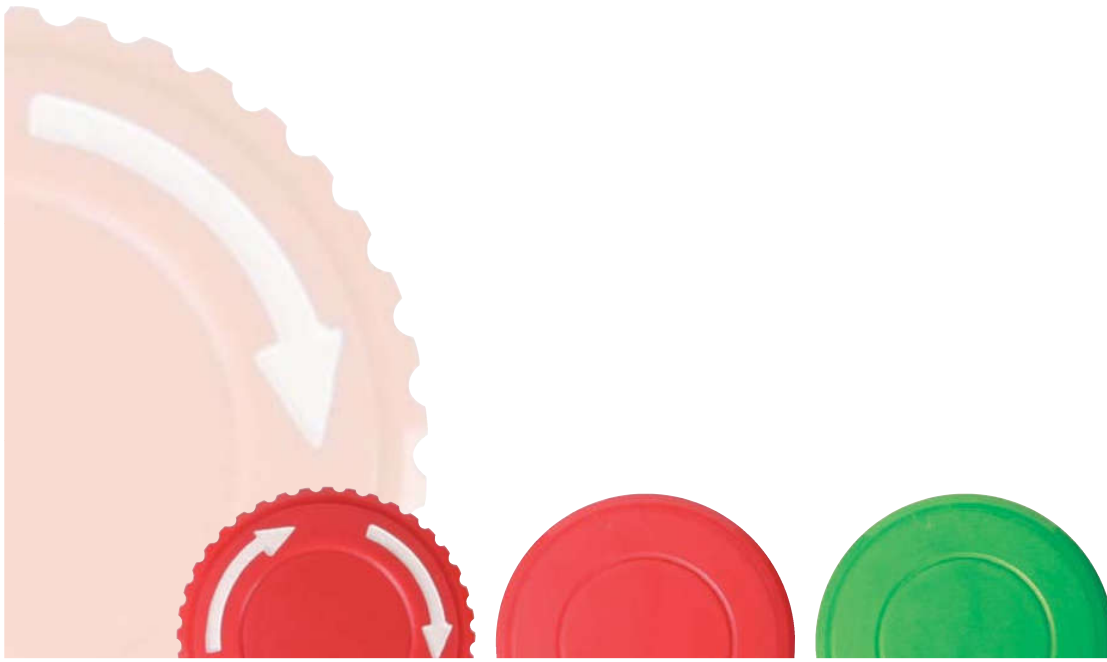
MRE-KR Flush (Ø25)



MRE-TM Extended (Ø22)



MRE-TR Extended (Ø22)



■ Suffix code

| Model | Code | Description |
|----------|--------------------------|-----------------------------------|
| MRF - | <input type="checkbox"/> | Push button switch |
| MRX - | | Illuminated push button switch |
| MRP - | | Pilot light |
| MRS - | | Selector switch |
| MRT - | | Illuminated selector switch |
| MRK - | | Key selector switch |
| MRE - | | Emergency stop switch |
| MRA - | | Illuminated emergency stop switch |
| MRB - | | Electronic buzzer |
| Actuator | A | Ø30 Flush |
| | N | Ø25 Flush |
| | R | Ø22 Extended |
| | K | Ø25 Flush |
| | T | Ø22 Extended |

※ Please refer to the above suffix code and check out an operation function, contact composition, color actuator, rated input voltage, etc.

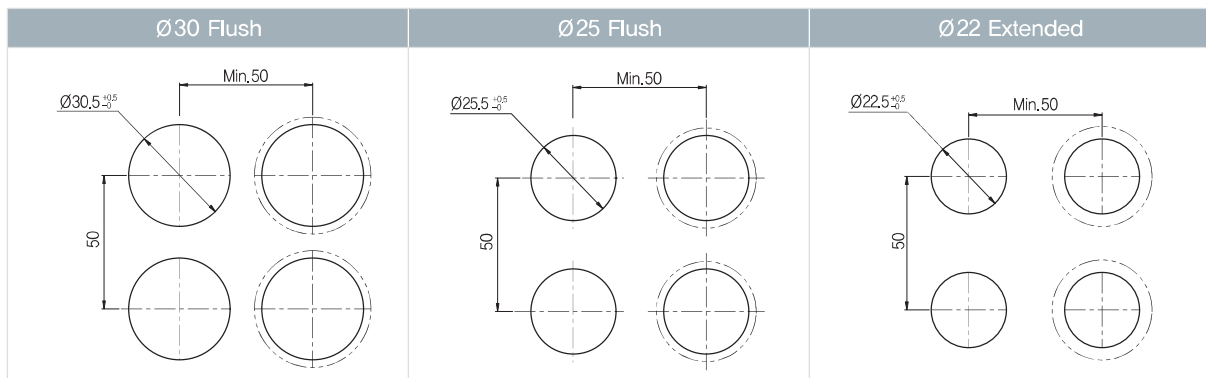
■ Specification

| | | |
|----------------------------|------------------------|---|
| Contact composition | | 1a1b |
| Contact action | | Snap-action |
| Installing panel thickness | | 7.0 mm (when excluded the additional accessories) |
| Material | Contact material | AgSnO ₂ |
| | Contact body material | Polycarbonate (P,C) |
| Mechanical characteristic | Fixed torque | Installing nut : 1,96 N · m max, Installing nut : 0,78 N · m max |
| | Operating power | 6,47 N (operation part + 1a1b contact) |
| | Operating distance | 5 mm ±0,2 |
| | Reflection time | max 3 ms |
| | Durability of actuator | Button: min 500 thousand times, Selector switch: min 200 thousand times |
| Electrical characteristic | Dielectric strength | 2,000 V AC 1 min |
| | Contact resistance | max 50 MΩ (Initial setting) |
| | Insulation resistance | min 100 MΩ 500 V DC |
| | Rated current | 6 A 250 V AC |
| | Min load current | 5 mA 24 V DC, 10 mA 110 V DC |
| Power supply voltage | Power supply voltage | 100 - 240 V AC (ED condenser voltage dropping type) |
| | | 380 V AC (LED condenser voltage dropping type) |
| | | 12 - 24 V DC/AC (LED resistance voltage dropping type) |
| Buzzer volume | | Approx. 90 dB |
| Environment condition | Ambient temperature | -20 ~ 55 °C |
| | Ambient temperature | 35 ~ 85 % RH |
| | Storage temperature | -40 ~ 85 °C |
| | Shock resistance | 300 % pulse cycle 11 ms |
| | Vibration resistance | 100 % 10 - 55 Hz, amplitude 0,75 mm (within 1 ms) |

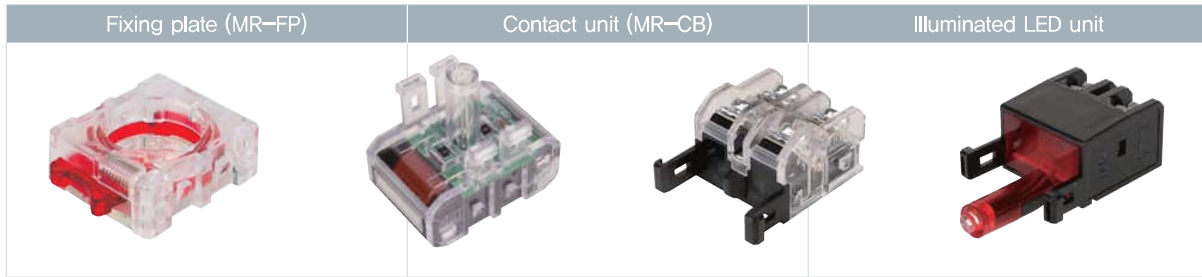
■ Actuator panel installation example



■ Panel cutout (Unit : mm)

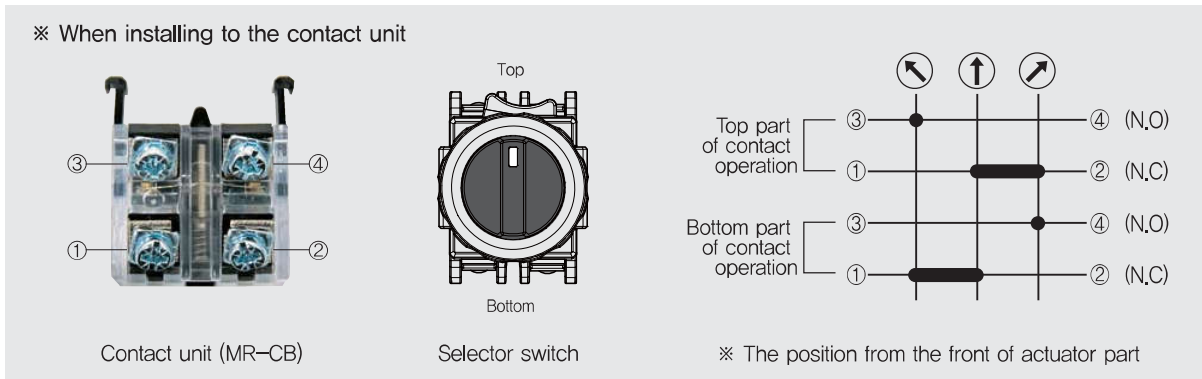


■ Contact part composition





■ Selector / Key selector contact operation

In case of 3 positions selector, please refer to the contact operation diagram.



■ Accessories

| Kinds | Appearance | Model | Reference |
|--|---|-----------|---|
| Contact unit |  | MR-CB | Hook fixing contact unit which is composed of 1a1b, is assembled to fixing plate. |
| | | MR-CBC | When air-conditioning and refrigerating by slow-action contact (1a1b) and driving an industrial machine's motor, it can be used as START signal and STOP signal in relay's self-hold circuit. |
| Flush aluminum guard |  | MR-AGA | Aluminum guard A type panel cutout Ø30 |
| | | MR-AGN | Aluminum guard N type panel cutout Ø25 |
| Extended aluminum guard |  | MR-AGR | Aluminum guard R type panel cutout Ø22 |
| Fixing plate |  | MR-FP | Connect to actuator, contact unit and lamp unit. |
| 3 positions of illuminated selector unit |  | MR-3SLA0□ | 100 – 240 V AC |
| | | MR-3SLA3□ | 380 V AC |
| | | MR-3SLD0□ | 12 – 24 V DC/AC |
| LED illuminated unit |  | MR-LBA0□ | 100 – 240 V AC |
| | | MR-LBA3□ | 380 V AC |
| | | MR-LBD0□ | 12 – 24 V DC/AC |
| Protective cover |  | MR-AC | Protective cover is installed in opposite side when using only 1 LED illuminated unit or contact unit. |