



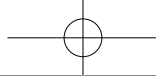
KMCB & KRCCB

KASYS Miniature Circuit Breaker/ Residual current circuit-breakers



KASYS





KMCB

Kacon Miniature Circuit Breaker

Kacon mini circuit breaker

Kacon mini circuit breakers power distribution and protection with excellent performance and beautiful appearance and compact size visually and in terms of space utilization is seen to excellent effect. In addition, the user's safety and convenience as top priority design has increased workability.





KMCB

About KMCB

- Breaking capacity increase, improved structure and reliable performance.
- Good appearance and excellent workability characteristics curve, applicable to industries and housing capacity configuration.
- External impact resistance and flame retardant material production.
- AC 50hz, 60hz frequency with the power of the office, living space and light power distribution line overload, short-circuit protection can be applied for the purpose.
- Good exterior and easy installation by DIN rail
- Resistant to Shock high temperature and flame-retardant material applied.
- Can variety wiring by Two type terminals.
- Enhanced resistance of vibration shock and clamping power by SEMS SCREW(Spring washer) in terminal block.

Part Number Description

KMCB ① ② ③





| ① Tripping characteristic | B Type | C Type | D Type | | | |
|---------------------------|----------|----------|----------|----------|----------|----------|
| ② Rated current | 2 : 2A* | 3 : 3A* | 4 : 4A* | 6 : 6A* | 10 : 10A | 16 : 16A |
| | 20 : 20A | 25 : 25A | 32 : 32A | 40 : 40A | 50 : 50A | 63 : 63A |
| ③ Poles | 1P | 2P | 3P | 4P | | |

* – Above named just for reference

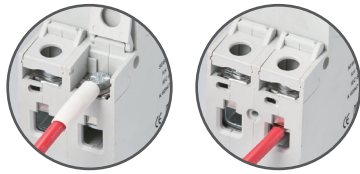
– Don't do a combination of the parameters if need special specifications, please contact with kacon.



General Specification

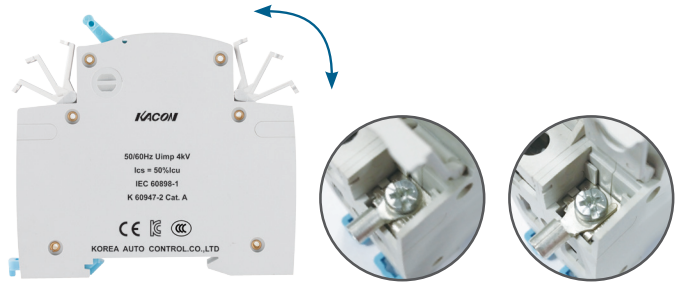
| | | 1P | 2P | 3P | 4P |
|--|-----------------|--|--|---|---|
| Poles & Shape | |  |  |  |  |
| Standard | | IEC60898, GB10963 | | | |
| Rated current (In) | A | (2, 3, 4, 6), 10, 16, 20, 25, 32, 40, 50, 63 Re) 2,3,4,6 are Special ordering information* | | | |
| Rated voltage (Ue) | V | 220VAC (Max. 400VAC) | 220VAC/380VAC (Max. 400VAC) | | |
| Isulation voltage (Ui) | V | 400VAC | | | |
| Rated impulse withstand voltage (Uimp) | V | 4,000VAC | | | |
| Rated frequency | HZ | 50/60 Hz | | | |
| Rated breaking capacity | KA | 6kA at 380VAC | | | |
| Electrical life | Times | 4,000 Times | | | |
| Mechanical life | Times | 20,000 Times | | | |
| Operating frequency per hour | Times/h | Mechanical : 240 times/h 2A - 50A Electrica : 240 times/h 2A - 32A 120 times/h 40A - 63A | | | |
| Protection degree | | IP20 | | | |
| Ambient temperature | | -5°C-+40°C | | | |
| Installation altitude | | Altitude less than 2,000 M | | | |
| ConnectioWires | mm ² | 2A-6A : 1 mm ² 32A : 6 mm ² | 10A : 1.5 mm ² 40A, 50A : 10 mm ² | 16A,20A : 2.5 mm ² 63A : 16 mm ² | 25A : 4 mm ² |

Point & Merit



Terminal block of the two type

With two types of terminal block, can be selected according to the work situation.



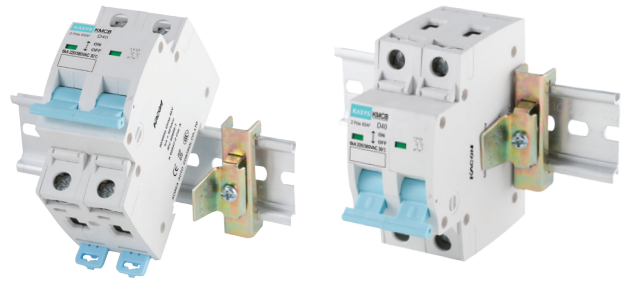
Terminal cover

Wiring terminal cover is opened can process more quickly and easily, Y-terminal, and the O-type terminals are available.



SEMS SCREW

Enhanced resistance of vibration shock and clamping power by SEMS SCREW (Spring washer) in terminal block.



DIN rail mounting

35mm DIN rail and shape of the bottom is matched. So you can easily install.



OFF



ON



ON-OFF indicator





On off states, separated by different colors has become easier to identify.



The bracket

Use the convenient bracket. It is removable without tools.

Product Selection

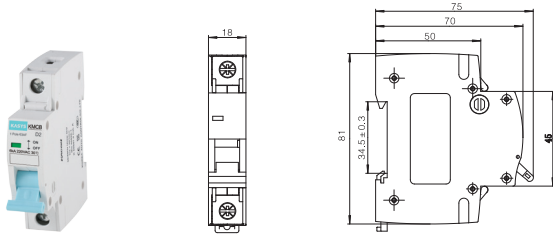
| Rating | Selecting code | | |
|--|----------------|------------|------------|
| | | C curve | D curve |
| KMCB 1P  | 2A* | KMCB C21P | KMCB D21P |
| | 3A* | KMCB C31P | KMCB D31P |
| | 4A* | KMCB C41P | KMCB D41P |
| | 6A* | KMCB C61P | KMCB D61P |
| | 10A | KMCB C101P | KMCB D101P |
| | 16A | KMCB C161P | KMCB D161P |
| | 20A | KMCB C201P | KMCB D201P |
| | 25A | KMCB C251P | KMCB D251P |
| | 32A | KMCB C321P | KMCB D321P |
| | 40A | KMCB C401P | KMCB D401P |
| | 50A | KMCB C501P | KMCB D501P |
| 63A | KMCB C631P | KMCB D631P | |
| KMCB 2P  | 2A* | KMCB C22P | KMCB D22P |
| | 3A* | KMCB C32P | KMCB D32P |
| | 4A* | KMCB C42P | KMCB D42P |
| | 6A* | KMCB C62P | KMCB D62P |
| | 10A | KMCB C102P | KMCB D102P |
| | 16A | KMCB C162P | KMCB D162P |
| | 20A | KMCB C202P | KMCB D202P |
| | 25A | KMCB C252P | KMCB D252P |
| | 32A | KMCB C322P | KMCB D322P |
| | 40A | KMCB C402P | KMCB D402P |
| | 50A | KMCB C502P | KMCB D502P |
| 63A | KMCB C632P | KMCB D632P | |
| KMCB 3P  | 2A* | KMCB C23P | KMCB D23P |
| | 3A* | KMCB C33P | KMCB D33P |
| | 4A* | KMCB C43P | KMCB D43P |
| | 6A* | KMCB C63P | KMCB D63P |
| | 10A | KMCB C103P | KMCB D103P |
| | 16A | KMCB C163P | KMCB D163P |
| | 20A | KMCB C203P | KMCB D203P |
| | 25A | KMCB C253P | KMCB D253P |
| | 32A | KMCB C323P | KMCB D323P |
| | 40A | KMCB C403P | KMCB D403P |
| | 50A | KMCB C503P | KMCB D503P |
| 63A | KMCB C633P | KMCB D633P | |
| KMCB 4P  | 2A* | KMCB C24P | KMCB D24P |
| | 3A* | KMCB C34P | KMCB D34P |
| | 4A* | KMCB C44P | KMCB D44P |
| | 6A* | KMCB C64P | KMCB D64P |
| | 10A | KMCB C104P | KMCB D104P |
| | 16A | KMCB C164P | KMCB D164P |
| | 20A | KMCB C204P | KMCB D204P |
| | 25A | KMCB C254P | KMCB D254P |
| | 32A | KMCB C324P | KMCB D324P |
| | 40A | KMCB C404P | KMCB D404P |
| | 50A | KMCB C504P | KMCB D504P |
| 63A | KMCB C634P | KMCB D634P | |

* 2,3,4,6 are Special ordering information*

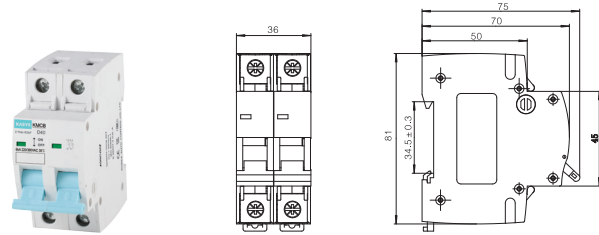


Dimension

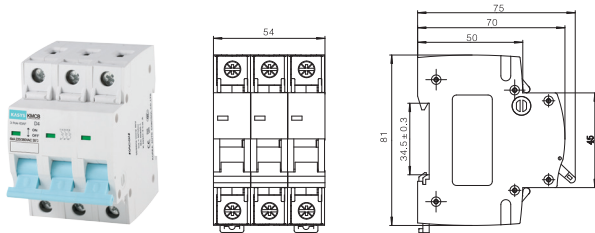
KMCB-1P



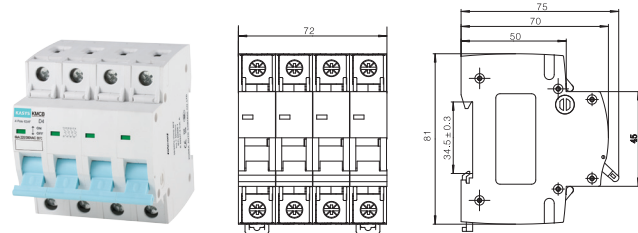
KMCB-2P



KMCB-3P

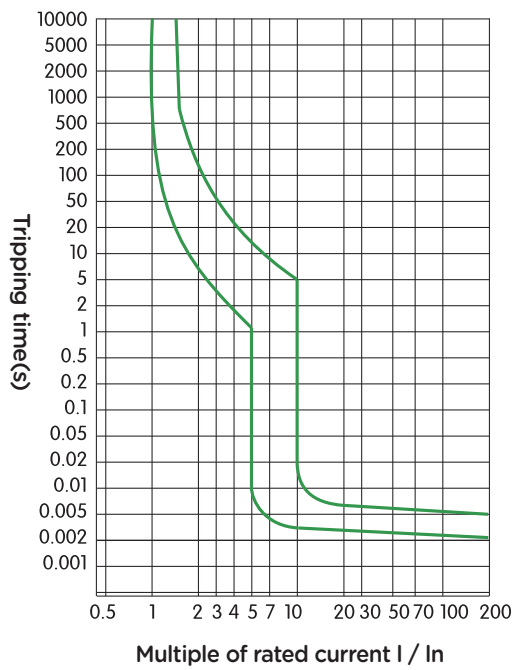


KMCB-4P

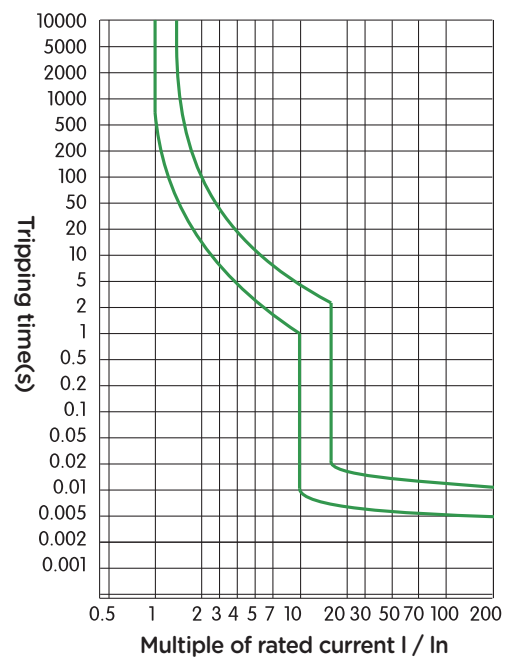


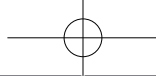
Characteristics

C Type Curve



D Type Curve





KRCCB

Kacon Residual Current Circuit Breaker

Kacon Current Circuit Breaker

KACON Residual current circuit breaker (without over-current protection) is suitable for the line of AC 50/60Hz, voltage 240V(2pole)/415V(4pole), rated current up to 63A. When there is human electricity shock or if the leakage current of the line exceeds the prescribed value, it will cut off the power rapidly to protect human safety and prevent the accident due to the current leakage. It can be used as infrequent changeover of the line in normal situation. It is applicable to industrial site, commercial site, tall building and civil house.



CE CB





KRCCB

Residual Current Circuit Breaker

- Don't need t another auxiliary power,Having no influence on the protected line,with high reliability and good security.
- The voltage influences the result slightly,when Non-full-phase and put voltage decreasing it can also be operating.
- High-dielectric strength.
- Having a strong capability of anti electromagnetic interference.
- Installing and Operating easily.
- It is applicable to industrial site, commercial site, tall building and civil house.

Compare electromagnetic type with electronic type circuit breaker's performance

| General Specification | Type | |
|----------------------------------|--|--|
| | Electromagnetic type circuit breaker | Electronic type circuit breake(KRCCB) |
| Rated current (In) | | |
| Reliability, Safety | Strong no need auxiliary power | Weak need auxiliary power |
| Protected equipment | No influence Lack of phase or power supply voltage can also be reliable action | Influence, When the power supply voltage is cut off or reduced, the action is influenced, and even no action |
| Installation specification | Low | High |
| Insulation strength | Insulating compression capability is strong, can withstand low voltage apparatus of power frequency withstand voltage test | Weak , with only electronic originals allowed within the scope of operation |
| Sensibility | High | Low |
| Anti-electromagnetic interferenc | Strong | Weak |
| Suitable place | Extensive, industrial and mining enterprises, especially the construction site | Industrial and mining enterprises, A stable place |
| Productioncost | Low | High |
| Price | Low | High |
| Capability / Price Ratio | High | Low |

Part Number Description



KRCCB

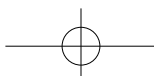
① ② ③

| | | | | | | |
|------------------------------------|----------|----------|----------|----------|----------|----------|
| ① Rated current | 16 : 16A | 20 : 20A | 25 : 25A | 32 : 32A | 40 : 40A | 50 : 50A |
| | 63 : 63A | | | | | |
| ② Rated residual operating current | 0.03A | 0.1A | 0.3A | 0.5A | | |
| ③ Poles | 1P+N | 3P+N | | | | |
| ④ Tripping type | AC type | | | | | |

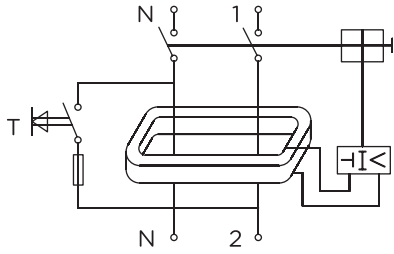


General Specification

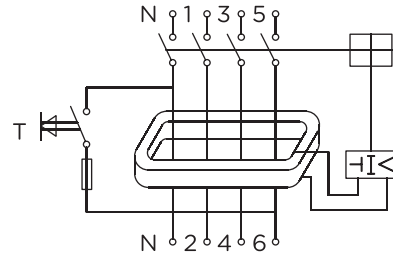
| | | | |
|--|-------|---|--|
| Poles & Shape | |  <p>1P + N</p> |  <p>3P + N</p> |
| Rated frame current | A | 63 | |
| Rated voltage (Ue) | V | 240/415 | |
| Rated frequency | Hz | 50/60 | |
| Rated current | A | 16,20,25,32,40,50,63 | |
| Rated residual operating current | A | 0.03, 0.1, 0.3, 0.5 | |
| Rated residual no operating current | A | 0.015, 0.05, 0.15, 0.25 | |
| Type | | AC Type | |
| Maximum operating time | S | $I\Delta n \leq 0.1s, 5I\Delta n \leq 0.04$ | |
| Rated making and breaking capacity | A | $I_n \leq 50A$ 500A, $I_n \leq 63A$ 630A | |
| Limiting value of un-operating current | A | 6I _n | |
| Rated short circuit current | A | 6000A | |
| Poles | | 1P+N, 3P+N | |
| Electrical life | Times | 10000 | |
| Mechanical life | Times | 4000 | |



Operation principle

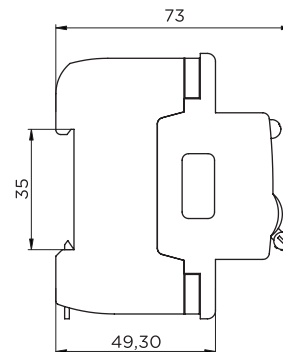
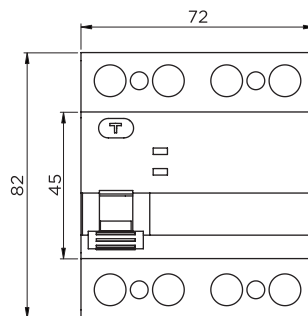
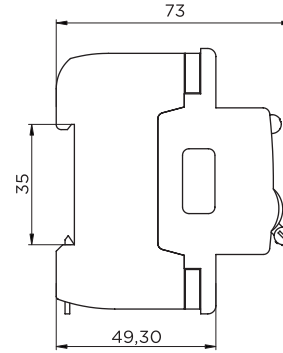
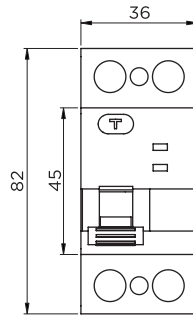


1P + N



3P + N

Dimension





- Save
- Safety
- Smart
- Service
- Satisfy



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