## General Specifications

KMK and SMK protection relays desing to protect three phase system againts to voltage fluactitation , over temperature and phase error.

The tolerance values and the other fonctions are is the table.

## Protection Functions

| Type | Phase Error | Temperature Protection | Assymetry | Electrical Connection | Weight (kg) |
|---|---|---|---|---|---|
| SMK 01 | • | | %20 | PCB Clamp | 0,09 |
| SMK 01P | • | PTC | %20 | PCB Clamp | 0,09 |
| SMK 03 | • | | %20 | PCB Clamp | 0,09 |
| SMK 03P | • | PTC | %20 | PCB Clamp | 0,09 |
| KMK 01 | • | | %20 | PCB Clamp | 0,13 |
| KMK 01P | • | PTC | %20 | PCB Clamp | 0,13 |
| KMK 03 | • | | %30 | PCB Clamp | 0,13 |
| KMK 03P | • | PTC | %30 | PCB Clamp | 0,13 |
| KMK 0A | • | | %10..30 | PCB Clamp | 0,13 |
| KMK 0AP | • | PTC | %10..30 | PCB Clamp | 0,13 |

**1) Phase Error:** The motor is became off when there are two phases on the system.

**2) Temperature Protection:** When the motor's temperature exceed the limit temperature value, the motor is became off.

**3) Assymetry:** When the voltage value exceeds the tolerance value, the motor is became off .

### Tecnical Specifications :

| | |
|---|---|
| **Power Supply** | : 220 Vac , 50 / 60 Hz (3Phases+N) |
| **Power Consumption** | : < 7VA |
| **Ambient Temperature** | : -5 °C... +55°C |
| **Control Output** | : Relay, 1 Changeover, 10A/ 250 Vac(Omron) |
| **Electrical Life** | : 100.000 Ops. (Resistive Load) |
| **Connection Type** | : DIN 35 rail or Vertical |

Installation(Installation springs behind the box should be pushed outward to enable screwing).

## Connection Diagram