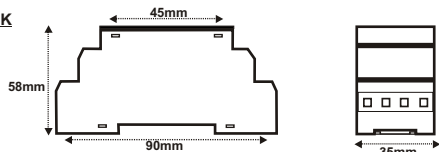
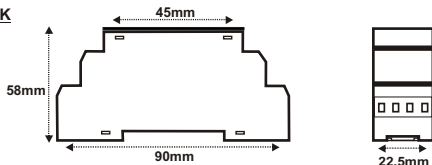


Dimensions

KMK



SMK



KARACA®

KRK®

ISO 9001
9001:2008

PHASE PROTECTION DEVICE



<i>KMK 01</i>	<i>KMK 01P</i>
<i>KMK 03</i>	<i>KMK 03P</i>
<i>KMK A</i>	<i>KMKAP</i>
<i>SMK 01</i>	<i>SMK 01P</i>
<i>SMK 03</i>	<i>SMK 03P</i>



User Guide

UG-20/REV 01

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 fonsctions 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	•		%40	PCB Clamp	0,09
SMK 03P	•	PTC	%40	PCB Clamp	0,09
KMK 01	•		%20	PCB Clamp	0,13
KMK 01P	•	PTC	%20	PCB Clamp	0,13
KMK 03	•		%40	PCB Clamp	0,13
KMK 03P	•	PTC	%40	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

