

Voltage and Motor Protection Relays

Motor Protection Relays

Adjustable Asymmetry , PTC Motor Protection Relay (MKR-04)

Application and Operation Principles

MKR-04 : It is desing to protect motor windings and to prevent burning in case of excess phase floatations and interruptions are ocured. Motor switching off voltage is adjustable via a built on asymmetry adjustable button. Motor overhenting protection is always secured and insured. Relay motor starts via a contactor being connected into relay contacts. Relay is switched on when RST voltages are at their normal values. Relay switches off and then motor stops when phase voltage values are above the limits of the set voltage values. Relay switches on and motor restarts when phase voltage reach at normal values. Relay with OTC switches off the motor when motor internal temperature exceeds the set temperature degree (according to PTC). Relay will switch on the motor when motor internal heat reaches at normal temperature degree.

NOTE : PTC ends shall be short-circuited if PTC not used.

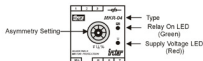
Technical Datas

Supply Voltage	: 3X380V AC 50-60 Hz
Contact Output	: 250VAC-5A
Asymmetry Setting	: $\pm 5\%$ - $\pm 20\%$ (Phase to Phase)
Hysteresis	: max. 10V
Setting Error	: $\pm 3\%$
PTC Cut-off Resistance	: 1600 - 2000 ohm.
PTC Reversing Resistance	: 1000 - 1400 ohm
Operation Temperature	: -40°C...+50°C
Net Weight	: 288 gr

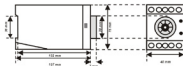
Order Informations

Type	Supply Voltage	Contact Output
MKR - 04	220V-240V AC 50-60Hz	250VAC - 5A

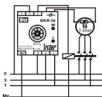
Front View Informations



Dimensions



Connection Diagram



Terminals

- 1 : Normally Closed Contact
- 2 : Common Contact
- 3 : Normally Open Contact
- Mp : Neutral
- R : R Phase Input
- S : S Phase Input
- T : T Phase Input
- PTC : PTC Inputs