

## TEMPERATURE Control Relay by Thermistors

### TEMPERATURE CONTROL BY THERMISTORS

- Protection of the motor against overtemperature.
- DIN rail mounting.
- Visual indication of trip cause.
- Controls the temperature by the use of thermistors (PTC sensors).
- Detects short-circuit (< 25Ω) and rupture in the circuit of sensors.
- Protects the motors against over temperature caused by excessive ambient temperature, insufficient ventilation or cooling, etc.
- Applicable in transformers and other machines.

MT2





### PROTECTION FUNCTIONS

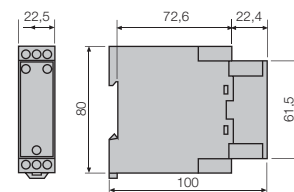
-  Overtemperature
-  Thermistor short-circuit

CE

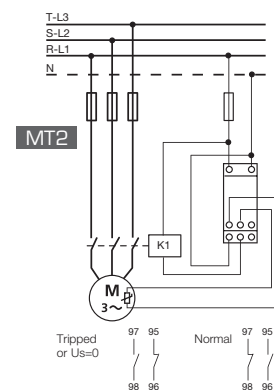
MODELS	MT2
Voltage supply (±15%)	230 Vac (Aux. supply)
Code	12039

CHARACTERISTICS	
Nominal frequency	50/60 Hz
Control range	According to the PTC installed
PTC sensor: min/max cold resist - Trip resist	25Ω / 1500Ω - 3600Ω. Reset 1800Ω
Trip time delay	< 0,1 s
Reset mode	Automatic (30s delay)
Signalling LED's	3 LED's: ON +  + 
Output contacts	1 relay with NO-NC
Switching power	I <sub>m</sub> : 5A; AC15 - 250V - 2A; DC13 - 30V - 2A
Maximum terminal section / screw torque	2,5 mm <sup>2</sup> , No. 22 - 12AWG / 20Ncm, 1.8 LB - IN
Power consumption	6 VA (230 Vac)
Protection degree / weight	IP20 / 0,12 kg
Storage / operation temperature	-30°C +70°C / -15°C +60°C

### DIMENSIONS (mm)



### WIRING DIAGRAM



### WORK LOGIC

