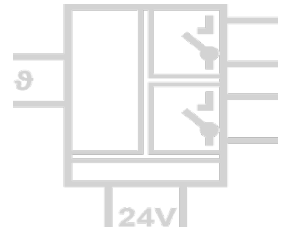


Thermistor Motor Protection Relay DG 3802

Reliable Protection against Over-Temperature with
 Thermistor/ PTC Resistor Sensor and Bimetal Breakers



The Thermistor Motor Protection Relay DG 3802 protects motors und machines against over-temperature caused by heavy starting duties, braking, under-voltage, over-voltage and high switching frequencies.

Additional applications include monitoring the temperature of transformers, pumps, centrifuges, motor bearings, gearboxes, oil and coolants and the avoidance of thermal overload in the event of impeded cooling and high ambient temperatures.

The temperature is monitored directly at the winding using thermistors or bimetal switches. Up to 6 sensors can be connected in series. When a certain resistance is reached, the output relays switch off. Restarting takes place after cooling down via auto-reset.

The motor protection relay works with open circuit operation and also detects broken wire in the sensor circuit. The monitoring state is indicated by a yellow LED. The relay changeover-contact switches high power loads up to 6 A.

The Protective Separation and the 24 V DC power supply makes the DG 3802 universally applicable for all measurement and industrial applications, as well as for building automation.

- **Reliable overtemperature protection**
 Up to 6 thermistors or bimetal switches, wire break detection in the sensor input
- **Fault message in closed-circuit operation**
 2 output relays not activated in the event of fault, restart via auto-reset
- **Status indication by LED**
 Easy monitoring and switching point adjustment
- **Protective 4-Port Separation acc. to EN 61010**
 Protects service personnel and downstream devices against impermissibly high voltage
- **High reliability and noise immunity**
 No microprocessor, no integrated software
- **Extremely slim design**
 12.5 mm slim housing for a simple and space saving DIN rail mounting
- **5 Years Warranty**
 Defects occurring within 5 years from delivery date shall be remedied free of charge at our plant



Block diagram

