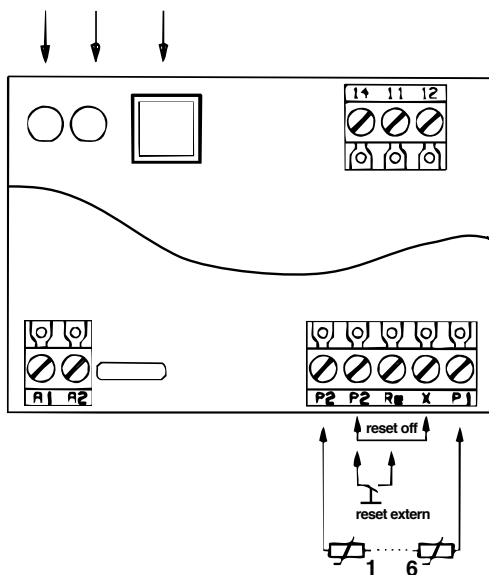


Thermistor-Motor-Protection-Modules MTMS

B



Red Green Reset



Technical Data

Operating voltage:
230 V / 50-60 Hz, $\pm 10\%$
Input power: ca. 3 VA
Relay: 1 changer-over contact
Switching power: 250 VAC / 1250 VA
24 VDC / 100 W
Thermistor probes: max. 6 pieces

Switching characteristics
Resistance R_{25} : $< 1,5\text{ K}\Omega$
Release resistance R_{off} :
2,5 - 3,6 $\text{K}\Omega$
Restoration R_{on} : 1,5 - 2,3 $\text{K}\Omega$
Ambient temperature: 0° bis 60°C

Terminals are at choice, see how to order.

Dimensions:

Height above the housing edge:
without cover: 25 mm / 0.98 in
with cover: 51 mm / 2.00 in
(total height plus 30 mm)
Length: 45 mm / 1.77 in
Width: 90 mm / 3.54 in

Description

The thermistor motor protection module is a monitoring component which provides, in combination with thermistors, effective protection of electrical machines against thermal overloads. The thermistors, which are built into the coil head by the motor manufacturers, react upon increasing temperature with an exponentially increasing resistance level. A contactor, for example, cutting the machine off from the mains is triggered via the relay output of the MTMS if the threshold value specified in the technical details is exceeded. An integrated circuit memory prevents it from switching back on independently after cooling down.

Restarting is only possible after pressing the reset key or an external reset (on P2-Re). The memory is cancelled by a bridge between P-X so that the relay switches back on independently after the thermistors have cooled down. The module operates on a closed-circuit principle so that the measuring circuit is monitored for interruptions.

Options

⊗ Customer specified designs.

Order Table

Number of change-over contacts per relay: 1 → A	Terminals Input: Type 150-A-111 with 2x2,5 mm ² → M Optional available: (A,B,G,R,S)	Terminals Output: Type 150-A-111 with 2x2,5 mm ² → M Optional available: (A,B,G,R,S)
Module-Type: MTMS	Relay Mount: soldered → L	Operating Voltage (VAC): 230
		Housing: Module Housing M-512 w/o cover → Z with cover → H
MTMSAL-230-		
Type-Designation		