

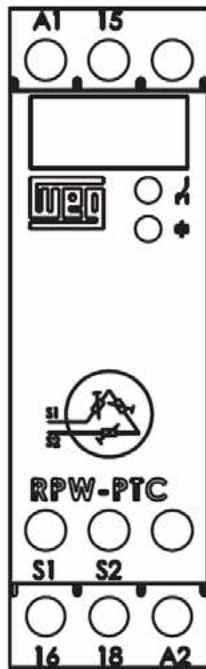
## THERMISTOR RELAY

WEG Motor Thermistor Relays from HMA Flow & Industrial protect motors against thermal overload, such as caused by insufficient cooling, heavy-load starting conditions, undersized motors, increased switching frequency, single-phase operation, high ambient temperature, break operation, and unbalance, etc. PTC temperature sensors are incorporated in the motor windings to measure motor heating, allowing for direct control via the thermistor relay.

The electronic Relay RPW PTC must be connected in series to the PTC sensor (maximum of 3), when energized, being the temperature under normal values, the output relay contact will be switched (ON) automatically and the red LED indication will be on. If an over temperature occurs, the probe resistance will rapid increase and the output contact will switched off (red LED off), remaining in this situation until the temperature decreases to a normal value. The RPW PTC can evaluate the PTC sensor, if the PTC has a fail (not caused by an over temperature) or it is not connected, the red LED indication will be flashing.



# Thermistor Relay

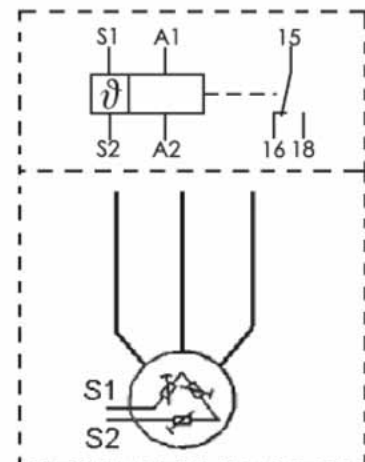


RPW - PTC	
A1 - A2	Alimentação / Power Supply 24...240 Vca / Vdc
S1 - S2	Entrada do Sensor PTC / PTC Sensor Input
15 - 16 - 18	Saída / Output

Indicação por LED / LED indication / Indicación del LED / LED Anzeige

LED	Ligado ON	Alimentado / Energized
	Desligado OFF	Não alimentado / Non Energized
	Piscando Flashing	Falha no sensor PTC / PTC sensor fail
LED	Ligado ON	Operação Normal / Normal Operation
	Desligado OFF	Temperatura Elevada / Over Temperature

	N.m lb.in	0,8 ... 1,4 7,1 ... 12,3
	mm <sup>2</sup>	1 x (0,5 ... 2,5) 2 x (0,5 ... 1,5)
	mm <sup>2</sup>	1 x (0,5 ... 1,5) 2 x (0,5 ... 1,5)
AWG		2 x (20 ... 16)



## RPW - PTC

