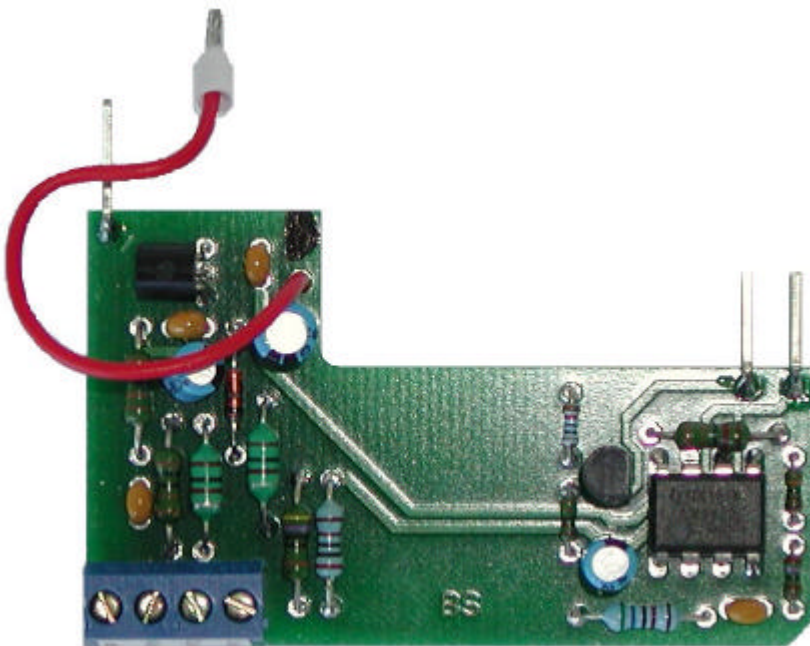


# PTC-S11

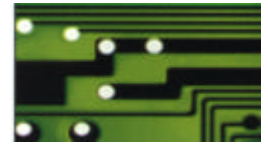
Evaluation of motor PTC thermistor  
for TOSHIBA inverters VF-S11



temperature surveillance  
of the motor  
for installation into TOSHIBA  
Frequency Inverters series VF S11



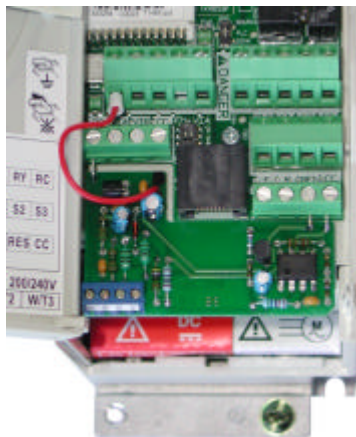
VF S11 Thermistor Evaluation PCB



# PTC-S11

motor thermistor evaluation for

TOSHIBA Frequency Inverters VF S11



## Technical Data

This small circuit board has been developed to fit into TOSHIBA Frequency Inverters series VF-S11 to provide a temperature surveillance of the motor. The circuit evaluates the resistance of the PTC thermistor that is inside the motor. In case of overheating of the motor the resistance of the PTC will raise and the circuit will trigger the RES digital input of the Frequency Inverter VF-S11. Program parameter **F113 to 46** and this will lead to an automatic stop of the drive. **OH2** will be displayed by the inverter in that case.

Type	PTC-S11
Environmental Temperature	-10°C...+50°C
Storage Temperature	-25°C...+65°C
Rel. Humidity	20... 90% (free from Condensation)
Vibration	maximum 5,9 m / s <sup>2</sup>
Cooling	self cooling
Maximal voltage of measurement	15 V
Maximal current of measurement	7 mA
Threshold resistance	2800 Ohm
switch-back resistance	1500 Ohm
Dimensions	(51,5 x 13 x 31 ) mm (B x H x T)



**EUGEN SCHMIDT UND CO**

