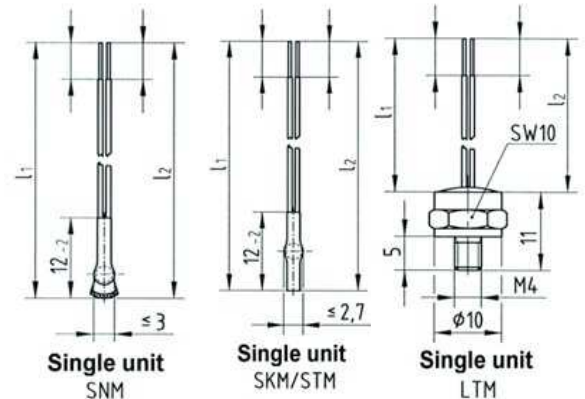


Information 530 e

PTC-Motor protectors series SNM / SKM / STM / LTM

Application:

Our PTC-Motor protectors are utilised for heat control of all kinds of electrical equipment or devices such as motors, transformers, heatings and many other industrial applications. For operation a corresponding tripping device of type A, which complies with the requirements according to DIN VDE 0660 part 303 can be used.



Description:

Temperature sensors have a number of relevant characteristics.

They are dimensionally stable and have a long lifecycle, so that the temperature sensors are extremely reliable.

By the usage of the so-called "minipills" and the subsequent small construction, the sensors are even applicable in confined spaces.

Function:

PTC Motor protectors are temperature sensors, where a rapid and considerable rise of the resistance with an insignificant performance increase during the workspace occurs. Therefore, PTC motor protectors are perfectly suitable for the control of temperature-dependant systems.

Features:

Broad temperature range from -40 to 190 °C

Quick response time

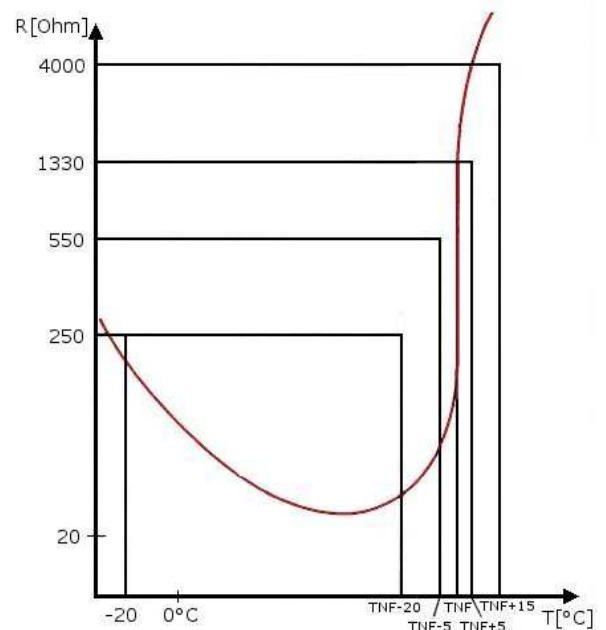
Low mass

Small size

Long term stability

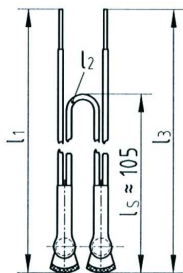
Positive temperature coefficient

Fail-safe operation when a system overheats.

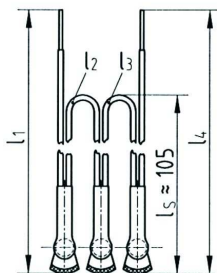


Technical Data - PTC Motorprotector

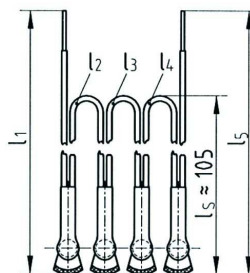
types (insulation material)	M- Mylar Nomex insulation cap K- Kynar insulation tube T- Teflon insulation tube L-
operating voltage	2,5 V _{DC} – 24V _{DC}
recommend voltage	2,5 V _{DC} – 7,5V _{DC}
maximum voltage	30V _{DC}
nominal response temperature	70°C – 190°C
Dielectric strength of the basic isolation	2,5 kV _{eff}
Lead colour	according to DIN 44081 / DIN 44802
Wiring	standard: PTFE AWG26 7x0,16 Upon customer's request, different wires are applicable



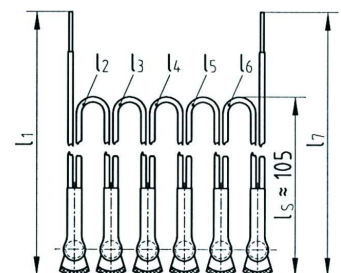
Duplex configuration



Triplex configuration



Configuration of 4



Configuration of 6

For missing dimensions please refer to Single unit draft; available in versions: SNM, SKM, STM

Ordering exampel :

	SNM - 100.ES 0520 / 0520
Type and version	_____
nominal response temperature	_____
connection / type	_____
Lead length [mm]	_____

This sensor is sensitive to Electro Static Discharge (ESD). Therefore care should be taken during transport and handling.

The indicated values in this data sheet can differ for special designs. We reserve the right to modify technical specifications without notice. For latest actual data please refer to our product catalogues available on our websites: www.thermik.de

Rev.: 02-2013