

Data sheet: KTY sensor 84–130

Function: The KTY sensor is a temperature-dependent component. As the temperature rises, so does the resistance of the KTY sensor. In contrast to PTC sensors, its characteristic is almost linear in the measuring range.

Type 84-130: Frequently installed in motors mainly powered by Siemens frequency converters.

Sensor

Type: Silicon sensor
Nominal resistance: 1000 Ω
Nominal temperature: 100°C

Technical data

Measuring current: 2 mA
Max. acceptable constant current
Idmax in air (25°C): 10 mA
Idmax in air (175°C): 2 mA
Dielectric strength: 2,5 kV AC, 50 Hz/1 min.

Temperature range -40°C...+300°C

Sensor case

Material: Kynarflex
Typ: PTFE-shrinkable tubing, single layer
Dimension: \varnothing ca.3,5 mm x 35±3 mm

Connection line

Version: PTFE-single litz wires, partly insulated
Colour code: green (=minus), yellow (=plus)

Length: 500 mm

Attention: KTY sensors are sensitive against ESD (electrostatic charge). Therefore to avoid damages, protective precautions have to be taken for handling, mounting and later operation!

