

DATA SHEET

ETT-NK Heating Element, G 6/4", single phase, thermostatic head with indicator



Main Features

Purpose	Heating of static working fluid in hot water storage tanks and Thermal Stores incl. DUO; not designed to heat fluids in stainless steel tanks. The heating element must be switched on/off from the master controller. It is suitable for the use of surplus from photovoltaic systems.
Working fluid	Drinking water, heating water, antifreeze fluid for heating systems and heat pumps.
Installation position	Horizontal, with cable gland downwards, element shall be completely immersed in working fluid.

This heating element is not designed to heat other fluids than listed, nor gases or vapours.

Design

Heating element	electric, resistive, nickel-plated, with thermostatic head
Connection thread	G 6/4" outer
Connection to mains	cablE for fixed connection

El. wiring

Power supply voltage	230 V 50 Hz
IP rating	IP 40 by ČSN EN 60529
Protection class	I by ČSN EN 61140 ed. 2

Power supply cable

black

Cross section area	3 x 1.5 mm ²
Length	5 m
Grommet	Pg 11

Safety thermostat

capillary type

Switch-off temperature	99 +0/-10 °C
Reset	manual, after temperature drops below 40 °C

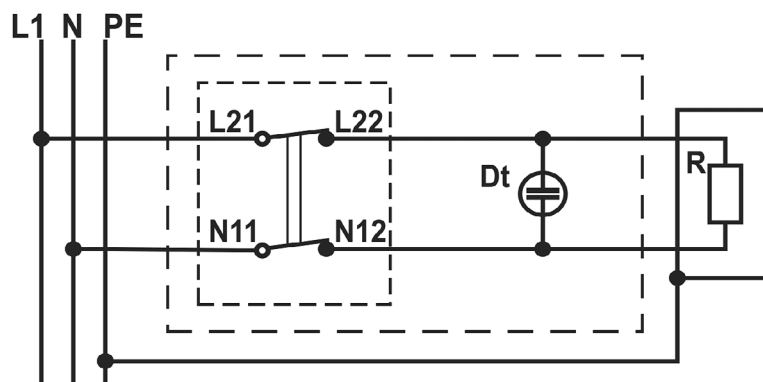
Materials

Heating element	nickel-plated copper
Heating element housing	PC, flame rating UL94-5V
Threaded hexagon	nickel-plated brass
Power supply cable	PVC

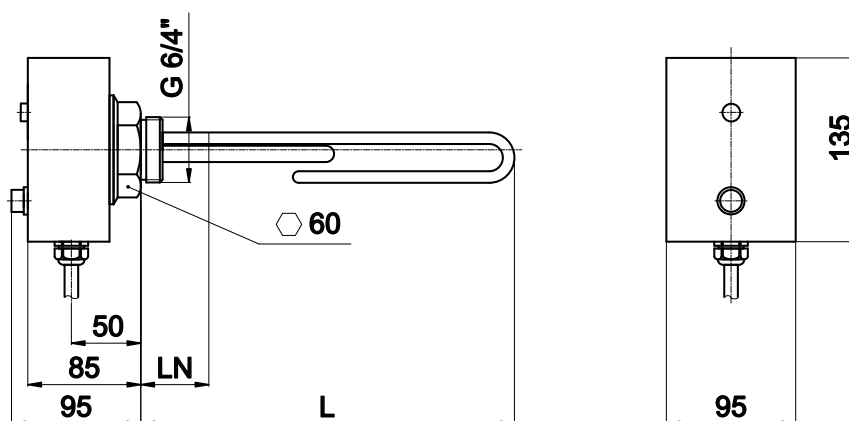
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Wiring diagram



Dimensions



Element type	Nominal output	Nominal current	Element length L	Non-heating end length LN	Tank minimal volume	Thermal store minimal volume	Code
ETT-NK – 3.0	3 kW	13.0 A	450 mm	180 mm	RBC 200	PS 200, HSK 390, DUO 390	21252

Heating fluid in direct contact with the heating element shall meet the relevant standards.

Hot water values shall not exceed the following limits

pH	Total Dissolved Solids (TDS)	Calcium	Chlorides	Sodium	Iron
6.5–9.5	600 mg/litre	40 mg/litre	100 mg/litre	200 mg/litre	0.2 mg/litre