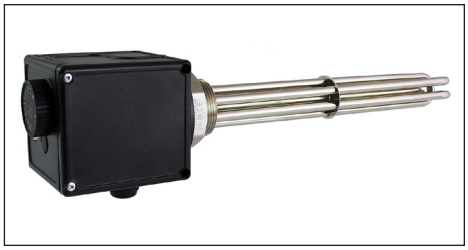
DATA SHEET

ETT-S Heating Element, G 6/4"



Main Features	
Application	Heating of static working fluid in hot water storage tanks and thermal stores. The heating element is connected in star configuration.
Working fluid	Drinking water, heating water, antifreeze fluid for heating systems and heat pumps.
Installation	Element shall be completely immersed in working fluid.

This heating element is not designed to heat fluids in stainless-steel tanks.
This heating element is not designed to heat other fluids than listed, nor gases or vapours.
Heating fluid in direct contact with the heating element shall meet the relevant standards.

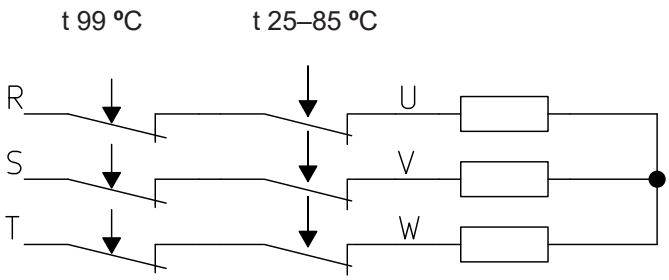
Hot water in direct contact with the heating element shall not exceed the following values:

Total Dissolved Solids (TDS)	pH	Chlorides	Mg	Na	Fe
600 mg/litr	6.5–9.5	100 mg/litr	20 mg/litr	200 mg/litr	0.2 mg/litr

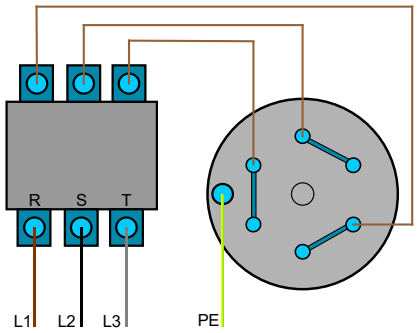
Technical Data	
Electrical wiring	3/N/PE AC 400/230 V
IP rating	IP 65
Protection class by EN 61140 ed. 2	I
Body type	electric, resistive, nickel-plated, with thermostatic head
Adjustable thermostat	adjustable from 25 to 85 °C
Safety thermostat	fixed temp. at 99 °C
Safety thermostat reset	manual, after temperature drop by 10 K min.
Max. current at thermostat contacts	20 A
Cable gland	Pg 13
Connection thread	G 6/4" outside
Connection to mains	cable for fixed wiring to a terminal box or fuse box – not included in supply

Materials	
Heating element	nick el-plated copper
Heating element cover	plastic
Threaded hexagon	nickel-plated brass

Internal wiring diagram



Connection diagram



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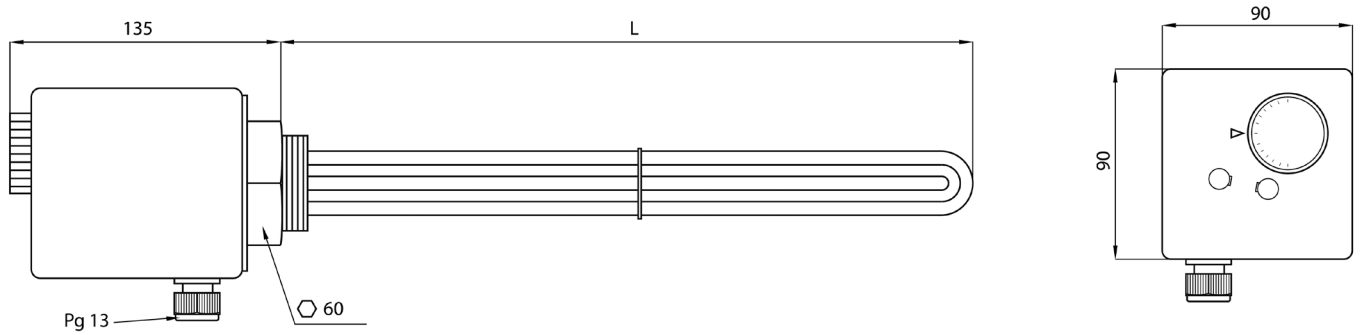
Dimensions



Element type	Nominal output	Element length L [mm]	Non-heating end length LN [mm]	Supply voltage	Code
ETT-S – 7.5	7.5 kW	575	100	3 x 400 V 50 Hz	**20169**
ETT-S – 9.0	9 kW	670	100		**19701**
ETT-S – 12.0	12 kW	805	100		**20167**

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