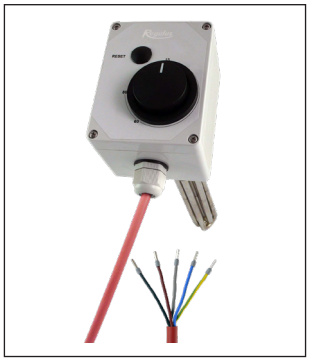
DATA SHEET

ETT-U Heating Element, G 6/4"



Main Features	
Application	Heating of flowing and static fluid, namely in hot water storage tanks and thermal stores. The heating element it is suitable for utilizing surpluses from single-phase and three-phase photovoltaic power stations.
Working fluid	Drinking water, heating water, antifreeze fluid for heating systems and heat pumps.
Installation	Element shall be completely immersed in working fluid. A cable for a fixed connection to a terminal box or electrical switchboard is included in supply.

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	Calcium	Chlorides	Mg	Na	Fe
600 mg/litre	6.5–9.5	40 mg/litre	100 mg/litre	20 mg/litre	200 mg/litre	0.2 mg/litre

Technical Data	
Electrical wiring	1/N/PE AC 230 V 3/N/PE AC 400/230 V
IP rating	IP 54
Protection class by EN 61140 ed. 2	I
Body type	electric, resistive, nickel-plated, with thermostatic head
Adjustable thermostat	adjustable from 15 +/– 5 °C to 80 +/– 5 °C
Safety thermostat	fixed temp. at 99 +0/–6 °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, length 2 m

Materials	
Heating element	nickel-plated copper
Heating element cover	plastic
Threaded hexagon	nickel-plated brass
Cable	silicone insulation

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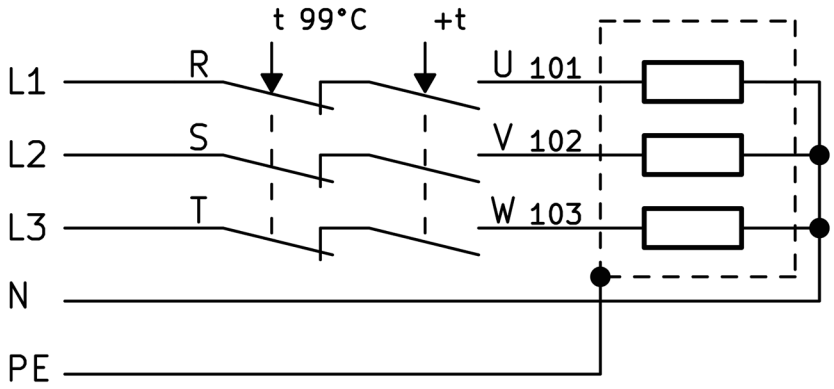
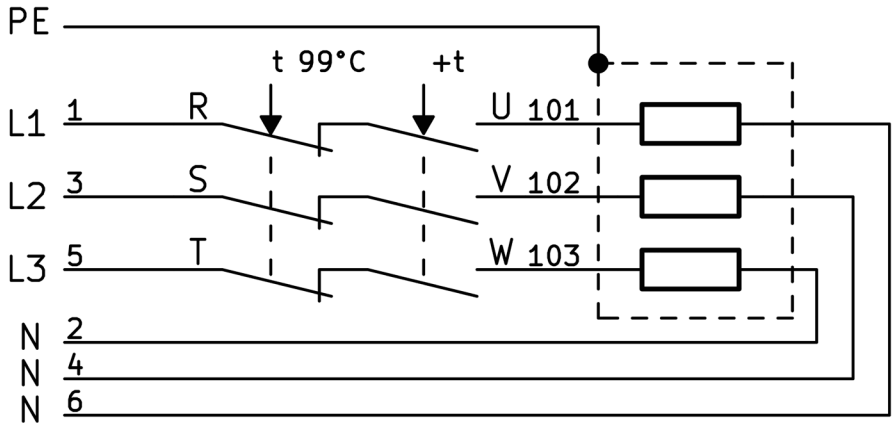
Internal wiring diagram

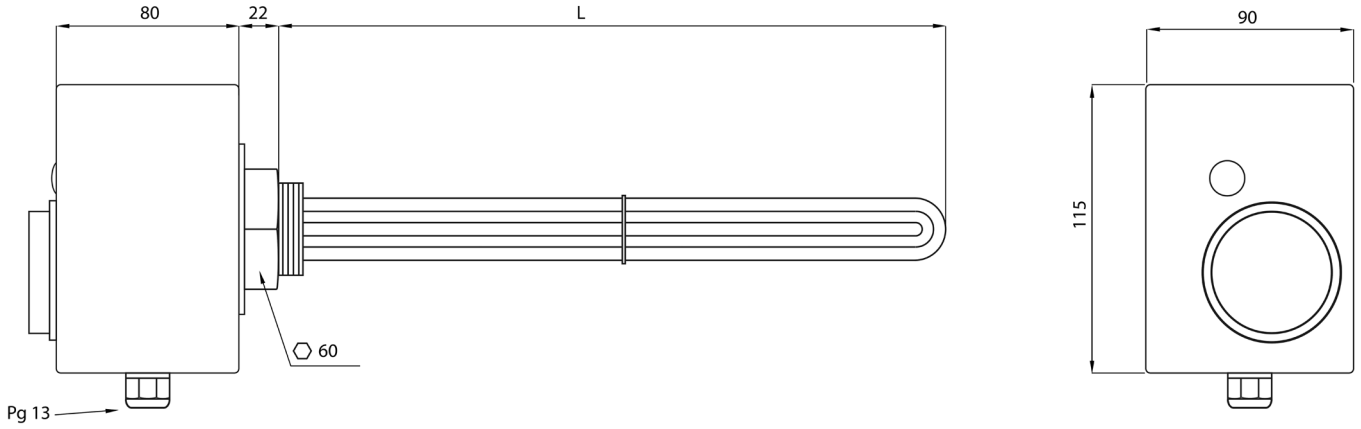
– for 2, 3 and 5 kw bodies



– for 6 kw body



Dimensions



Element type	Nominal output	Element length L [mm]	Non-heating end length LN [mm]	Connection cable (L = 2 m)	Code
ETT-U – 2.0	2.0 kW	310	180	5 x 1.5	**20214**
ETT-U – 3.0	3.0 kW	370	180	5 x 2.5	**20220**
ETT-U – 5.0	5.0 kW	500	180	5 x 2.5	**20216**
ETT-U – 6.0	6.0 kW	555	180	7 x 1.5	**20219**