G 6/4“ ELECTRIC HEATING ELEMENTS with thermostatic head and contactor

Output: 2 - 9 kW
Application: stainless-steel thermal stores and hot water storage tanks

ETT-K Electric Heating Elements

Stainless-steel resistance heating elements with a **thermostatic head and contactor**, intended for heating of static or flowing heating water or antifreeze fluid in thermal stores or for drinking water heating in hot water storage tanks. These elements **are suitable for stainless steel tanks**.

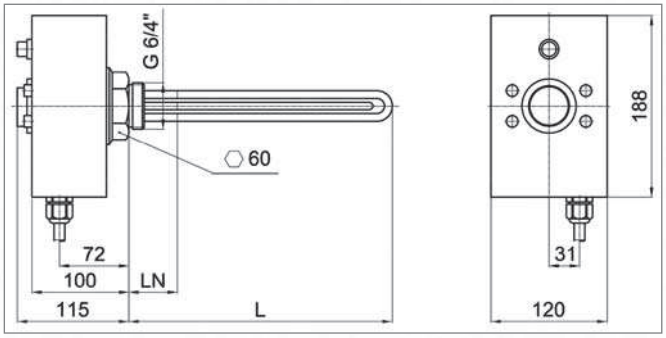
They are designed to be installed in a horizontal position so that the element is completely immersed, the cable gland downwards. They are power supplied by a 7-core cable wired to a terminal box or fuse board.

The heating element features one input for a Ripple control signal and one for master heating system controller.

Technical Data

HEATING ELEMENT	stainless steel
CONNECTION	G 6/4“ M
HEXAGON WITH G 6/4“ THREAD	nickel plated brass
POWER SUPPLY	400/230V 50 Hz
IP RATING	IP 54
PROTECTION CLASS BY EN 61140 ed.2	I
OPERATING THERMOSTAT	capillary type, adjustable
SWITCH-OVER CONTACT	16 A
TEMPERATURE ADJUSTMENT RANGE	from 0 ± 5 °C to 90 ± 3 °C
TEMPERATURE ADJUSTMENT METHOD	rotating knob
SWITCHING DIFFERENCE	5 ± 1.5 °C
LOWER LIMIT	about 15 °C – frost protection
UPPER LIMIT	about 60 °C – for HW storage tanks
SAFETY THERMOSTAT	capillary type, fixed setting
SWITCH OFF TEMP.	99 +0/-6 °C
RESET	manual, after temperature drops below 50 °C
CONTACTOR	AC1 : 20 A / 690 V, 1Z
COIL VOLTAGE	AC 220 – 240 V
FREQUENCY	50 Hz

Dimensions, Models



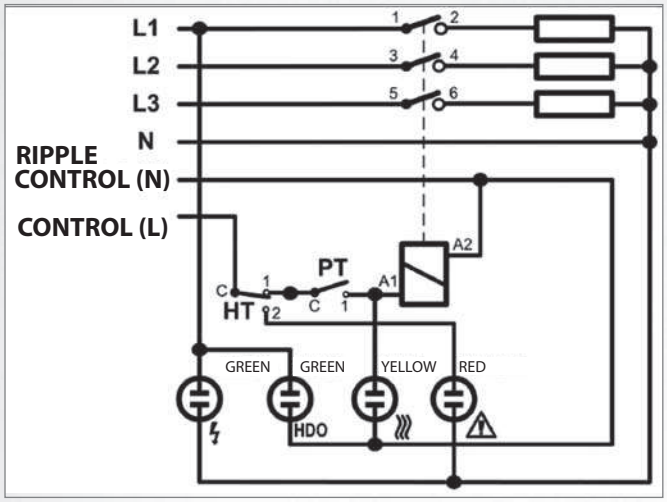
MODEL		ETT-K 2.0	ETT-K 3.0	ETT-K 4.5	ETT-K 6.0	ETT-K 7.5	ETT-K 9.0
NOMINAL OUTPUT	kW	2.0	3.0	4.5	6.0	7.5	9.0
NOMINAL CURRENT	A	2.9	4.3	6.5	8.7	10.8	13.0
ELEMENT LENGTH (L)	mm	225	285	383	478	570	665
NON-HEATING END LENGTH (LN)	mm	100	100	100	100	100	100
CODE	--	14 990	14 991	14 992	14 496	14 993	14 614

Electric Wiring

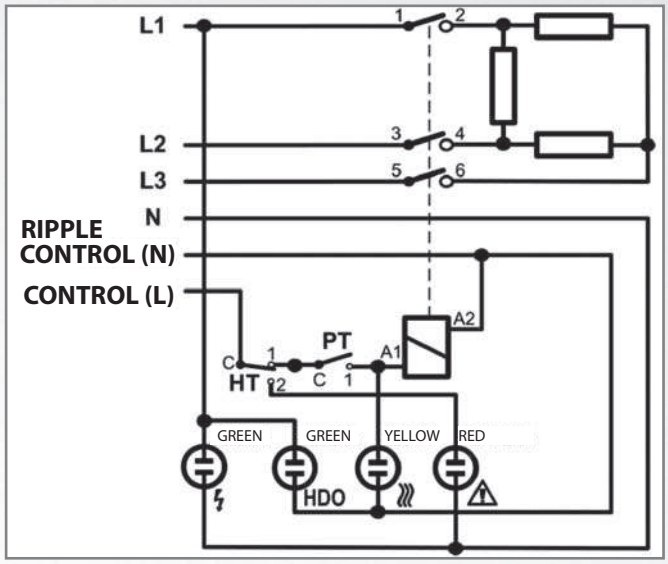
3/N/PE AC 400/230V

POWER CABLE	
CROSS SECTION	7× 1.5 mm²
LENGTH	2 m
CABLE GLAND	Pg11

2- 6 kW



7.5 - 9 kW



Wiring examples: