

## DATA SHEET

### ETT-A Heating Element, G 6/4"



#### Main Features

Application	Heating of flowing and static fluid, namely in hot water storage tanks and thermal stores.
Working fluid	Drinking water, heating water, antifreeze fluid for heating systems and heat pumps.
Installation position	Horizontal, cable gland downwards, the heating rod itself must be completely immersed in working fluid.

This heating element is not designed to heat other fluids than listed, nor gases or vapours.  
This heating element is not designed to heat fluids in stainless-steel tanks.

#### Construction

Body type	electric, resistive, nickel-plated, without thermostatic head
Connection thread	G 6/4" outside
Connection to mains	cabre for fixed wiring to a terminal box or fuse box – not included in supply

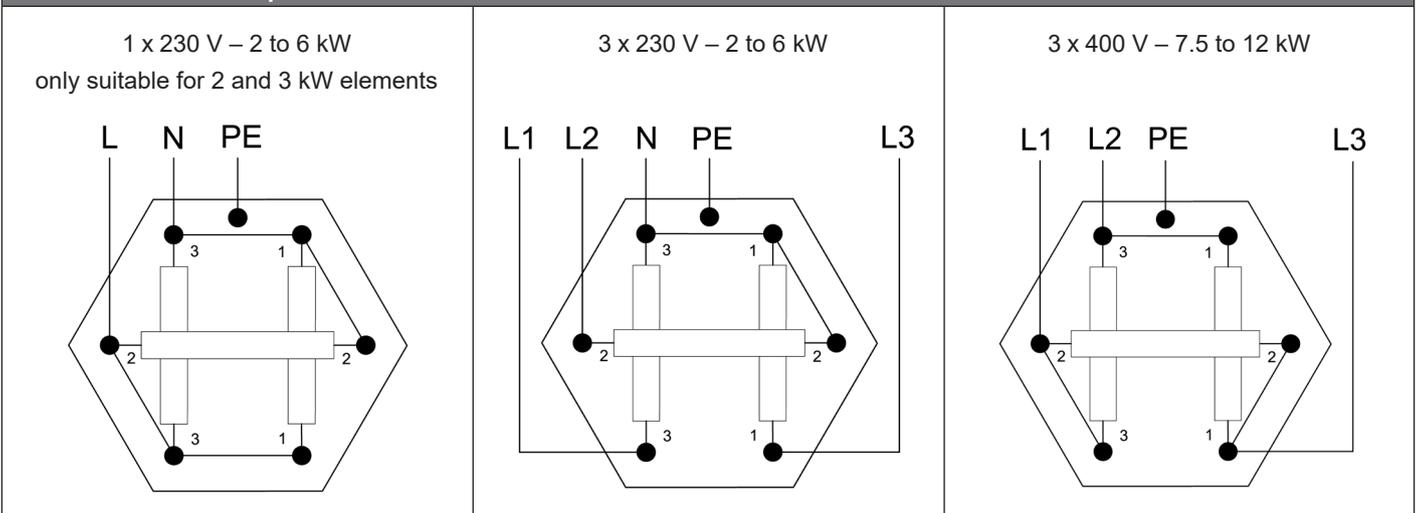
#### Electrical wiring

	1/N/PE AC 230 V 3/N/PE AC 400/230 V
Supply voltage	230 V 50 Hz 400/230 V 50 Hz
IP rating	IP 54
Protection class	I by EN 61140 ed. 2

#### Materials

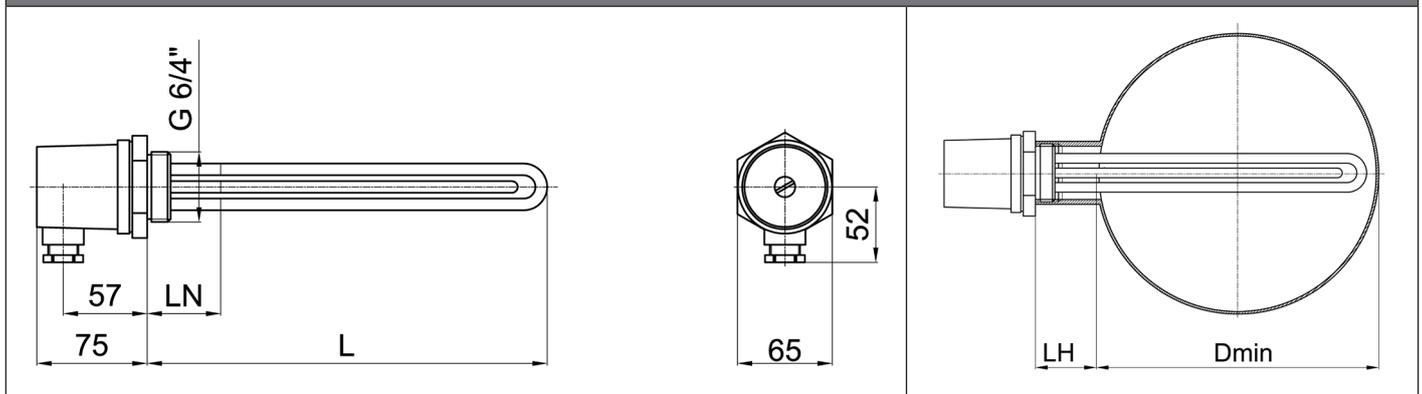
Heating element	nickel-plated copper
Heating element cover	plastic
Threaded hexagon	nickel-plated brass

#### Possible connection options



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Code	Element type	Nominal output [kW]	Nominal current per phase			Min. circuit breaker rating		
			1x230 V [A]	3x230 V [A]	3x400 V [A]	1x230 V [A]	3x230 V [A]	3x400 V [A]
8935	ETT-A – 2,0	2.0	8.7	2.9	–	10	3x4	–
8936	ETT-A – 3,0	3.0	13.0	4.3	–	16	3x5	–
8937	ETT-A – 4,5	4.5	19.6	6.5	–	20	3x10	–
8938	ETT-A – 6,0	6.0	26.1	8.7	–	32	3x10	–
8939	ETT-A – 7,5	7.5	–	–	6.3	–	–	3x10
8940	ETT-A – 9,0	9.0	–	–	7.5	–	–	3x10
8941	ETT-A – 12,0	12.0	–	–	10	–	–	3x13

**Dimensions**


Code	Element type	Nominal output [kW]	Element length L [mm]	Non-heating end length LN [mm]	Min. diameter of tank w/o inner heat exchanger Dmin		Weight [kg]
					for LH = 50 mm [mm]	for LH = 100 mm [mm]	
8935	ETT-A – 2.0	2.0	245	100	240	240	0.76
8936	ETT-A – 3.0	3.0	305	100	280	240	0.84
8937	ETT-A – 4.5	4.5	370	100	350	310	0.96
8938	ETT-A – 6.0	6.0	495	100	480	430	1.16
8939	ETT-A – 7.5	7.5	585	100	560	550	1.32
8940	ETT-A – 9.0	9.0	680	100	650	600	1.46
8941	ETT-A – 12.0	12.0	815	100	790	750	1.70

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

pH	Total Dissolved Solids (TDS)	Calcium	Chlorides	Mg	Na	Fe
6.5–9.5	600 mg/litre	40 mg/litre	100 mg/litre	20 mg/litre	200 mg/litre	0.2 mg/litre