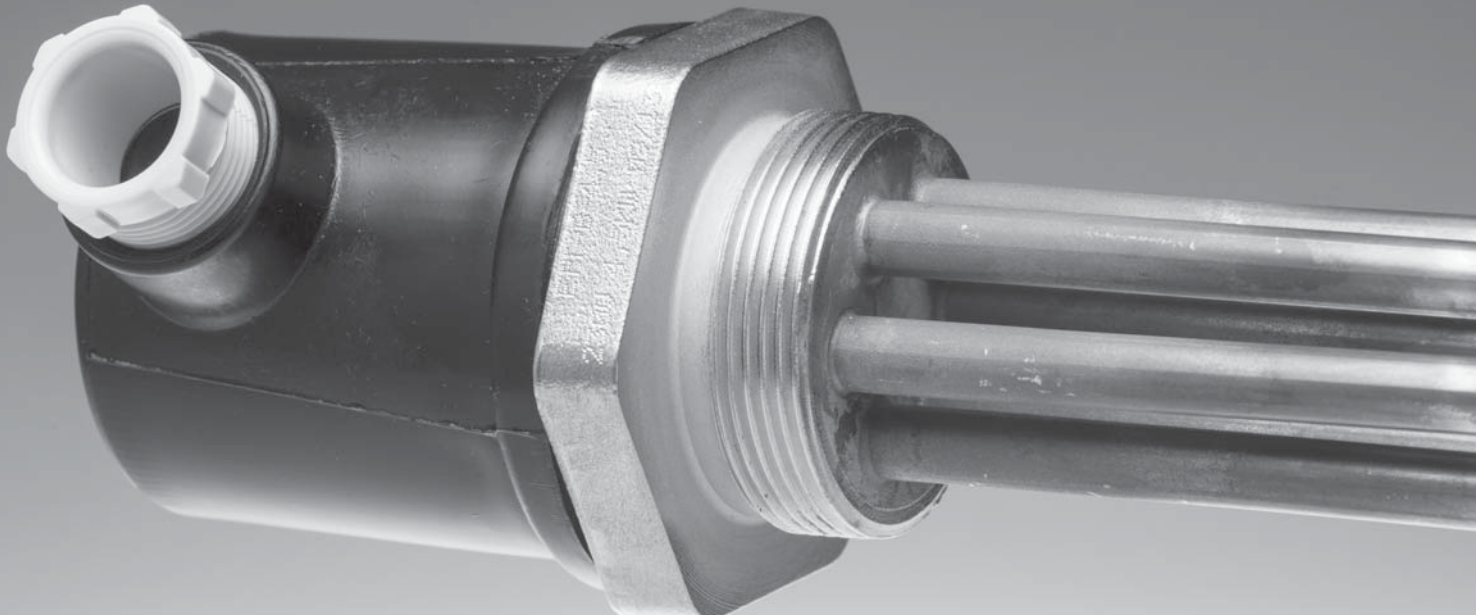


ELECTRIC HEATING ELEMENTS



- **for thermal stores**
- **for hot water storage tanks**



CONTENTS

4-5 G 6/4" ELECTRIC HEATING ELEMENTS



6 - 11 G 6/4" ELECTRIC HEATING ELEMENTS WITH THERMOSTATS



12 - 17 G 6/4" ELECTRIC HEATING ELEMENTS WITH THERMOSTATS AND CONTACTORS



18 OVERVIEW OF HEATING ELEMENTS, APPLICATION

G 6/4" ELECTRIC HEATING ELEMENTS

Output: 2 - 12 kW
 Application: hot water storage tanks, thermal stores (up to 6 kW suitable for PV)



ETT-A Electric Heating Elements

Nickel-plated resistance heating elements without thermostatic head intended for heating of static or flowing heating water or antifreeze fluid in thermal stores or drinking water in hot water storage tanks. These elements are not intended for stainless steel tanks. They are suitable for **drinking water heating** in hot water storage tanks.

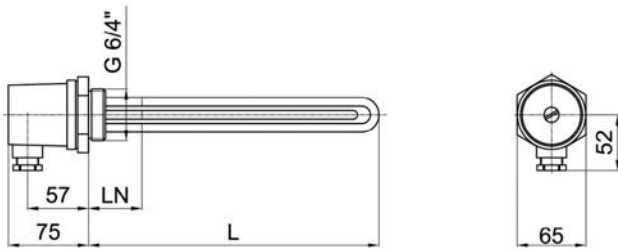
They are designed to be installed in a horizontal position so that the element is completely immersed, the cable gland downwards. They are power supplied by a cable (not included in supply) wired to a terminal box or fuse board.

These elements are fitted with neither operating nor safety thermostat.

TECHNICAL DATA

HEATING ELEMENT	nickel plated copper
CONNECTION	G 6/4" M
HEXAGON WITH G 6/4" THREAD	nickel plated brass
POWER SUPPLY	230V or 400/230V 50 Hz
IP RATING	IP 54
PROTECTION CLASS BY EN 61140 ed.2	I

DIMENSIONS, MODELS



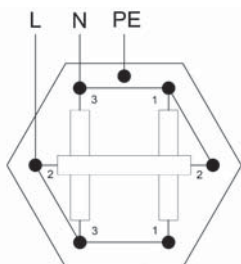
MODEL		ETT-A 2.0	ETT-A 3.0	ETT-A 4.5	ETT-A 6.0	ETT-A 7.5	ETT-A 9.0	ETT-A 12.0
NOMINAL OUTPUT	kW	2.0	3.0	4.5	6.0	7.5	9.0	12.0
NOMINAL CURRENT PER ONE PHASE	A	2.9/8.7*	4.3/13.0*	6.5/19.6*	8.7/26.1*	10.8	13.0	17.4
ELEMENT LENGTH (L)	mm	245	305	370	495	585	680	815
NON-HEATING END LENGTH (LN)	mm	100	100	100	100	100	100	100
CODE	--	8935	8936	8937	8938	8939	8940	8941

* 3x230V wiring/1x230V wiring

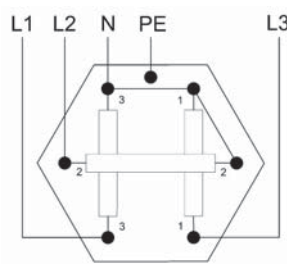
ELECTRIC WIRING

1/N/PE AC 230V or 3/N/PE AC 400/230V:

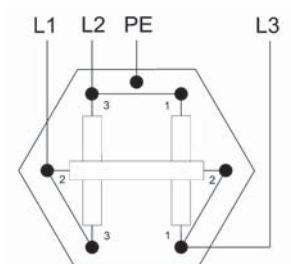
1x230 V - 2 to 6 kW



3x230 V - 2 to 6 kW



3x400 V - 7.5 to 12 kW



G 6/4" ELECTRIC HEATING ELEMENTS

Output: 2 - 12 kW
 Application: thermal stores
 (up to 6 kW suitable for PV)



ETT-C Electric Heating Elements

Non-nickel-plated resistance heating elements with a longer non-heating end, without thermostatic head intended for heating of static or flowing heating water or antifreeze fluid in **thermal stores with DHW**. They are not intended for hot water storage tanks! These elements are not intended for stainless steel tanks.

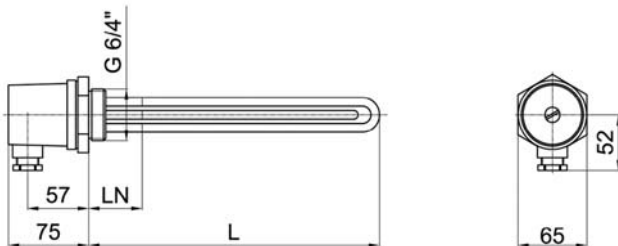
They are designed to be installed in a horizontal position so that the element is completely immersed, the cable gland downwards. They are power supplied by a cable (not included in supply) wired to a terminal box or fuse board.

These elements are fitted with neither operating nor safety thermostat.

TECHNICAL DATA

HEATING ELEMENT	copper - no surface finish
CONNECTION	G 6/4" M
HEXAGON WITH G 6/4" THREAD	nickel plated brass
POWER SUPPLY	230 V or 400/230V 50 Hz
IP RATING	IP 54
PROTECTION CLASS BY EN 61140 ed.2	I

DIMENSIONS, MODELS



The elements feature a longer non-heating end (dimension LN) that permits their use for Regulus Thermal Stores with DHW.

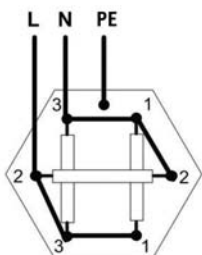
MODEL		ETT-C 2.0	ETT-C 3.0	ETT-C 5.0	ETT-C 6.0	ETT-C 7.5	ETT-C 8.2	ETT-C 9.0	ETT-C 12.0
NOMINAL OUTPUT	kW	2.0	3.0	5.0	6.0	7.5	8.2	9.0	12.0
NOMINAL CURRENT PER ONE PHASE	A	1.9/5.8*	2.9/8.7*	6.5/19.6*	8.7/26.1*	10.8	11.8	13.0	17.4
ELEMENT LENGTH (L)	mm	310	370	500	555	635	700	755	955
NON-HEATING END LENGTH (LN)	mm	180	180	180	180	180	180	180	180
CODE	--	14519	8902	14359	8897	9618	14501	12272	12273

* 3x230V wiring/1x230V wiring

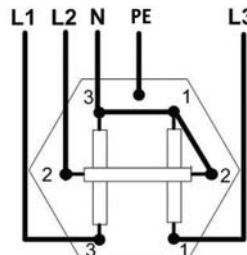
ELECTRIC WIRING

1/N/PE AC 230V or 3/N/PE AC 400/230V:

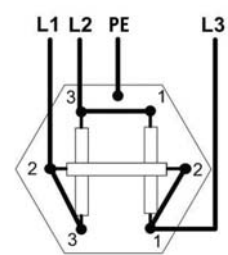
1x 230 V - 2 to 6 kW



3x 230 V - 2 to 6 kW



3x 400 V - 7.5 to 12 kW



G 6/4" ELECTRIC HEATING ELEMENTS with thermostatic head and el. plug

Output: 1.2 - 3 kW

Application: hot water storage tanks, thermal stores



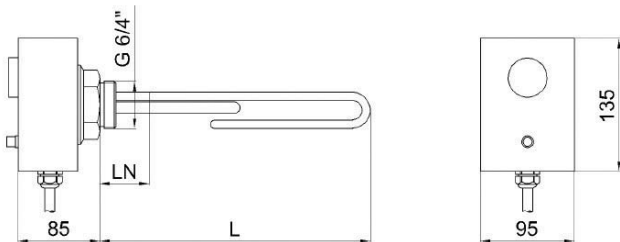
ETT-M Electric Heating Elements

Nickel-plated resistance heating elements with a longer non-heating end, with thermostatic head intended for heating of static heating water or antifreeze fluid in **thermal stores with DHW** or for drinking water heating in **hot water storage tanks**. These elements are not intended 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. The power supply cable is fitted with **Uni Schuko plug**.

The elements feature a longer non-heating end (dimension LN) that permits their use for Regulus Thermal Stores with DHW.

DIMENSIONS, MODELS



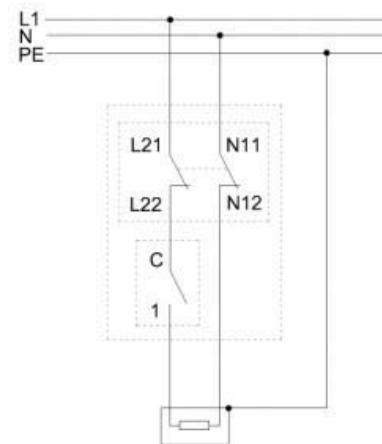
MODEL		ETT-M 1.2	ETT-M 2.0	ETT-M 2.4	ETT-M 3.0
NOMINAL OUTPUT	kW	1.2	2.0	2.4	3.0
NOMINAL CURRENT	A	5.2	8.7	10.4	13.0
ELEMENT LENGTH (L)	mm	300	350	420	450
NON-HEATING END LENGTH (LN)	mm	180	180	180	180
CODE	--	15166	15167	15168	15169

TECHNICAL DATA

HEATING ELEMENT	nickel plated copper
CONNECTION	G 6/4" M
HEXAGON WITH G 6/4" THREAD	nickel plated brass
CASE	PC, flame rating UL94-5V
POWER SUPPLY	230V 50 Hz
IP RATING	IP 40
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	cca 60 °C
SAFETY THERMOSTAT	capillary type, fixed setting
SWITCHING TEMP.	99 +0/-10 °C
RESET	manual, after temperature drops below 40 °C
POWER CABLE	
CROSS SECTION	3× 1.5 mm ²
LENGTH	3 m
CABLE GLAND	Pg11

ELECTRIC WIRING

1/N/PE AC 230V



G 6/4" ELECTRIC HEATING ELEMENTS with switch and safety thermostat, for CSE SOL

Output: 2 - 3 kW

Application: hot water storage tanks, thermal stores



ETT-N Electric Heating Elements

Nickel-plated resistance heating elements with a longer non-heating end, **with thermostatic head** intended for heating of static heating water or antifreeze fluid in **thermal stores with DHW** or for drinking water heating in **hot water storage tanks**. These elements are not intended for stainless steel tanks.

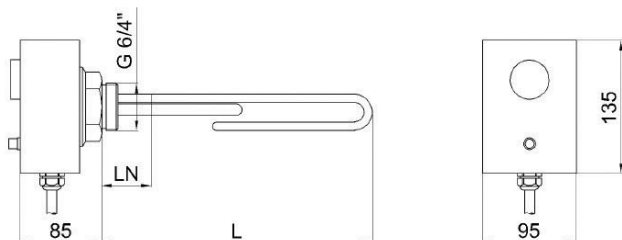
They are designed to be installed in a horizontal position so that the element is completely immersed, the cable gland downwards. They are supplied from a dedicated power socket integrated in the CSE SOL solar pump station and fitted with a power switch.

The elements feature a longer non-heating end (dimension LN) that permits their use for Thermal Stores with DHW.

TECHNICAL DATA

HEATING ELEMENT	nickel plated copper
CONNECTION	G 6/4" M
HEXAGON WITH G 6/4" THREAD	nickel plated brass
CASE	PC, flame rating UL94-5V
POWER SUPPLY	230V 50 Hz
IP RATING	IP 40
PROTECTION CLASS BY EN 61140 ed.2	I
SAFETY THERMOSTAT	capillary type, fixed setting
SWITCHING TEMP.	99 +0/-10 °C
RESET	manual, after temperature drops below 40 °C
POWER CABLE	
CROSS SECTION	3× 1.5 mm ²
LENGTH	5 m
CABLE GLAND	Pg11

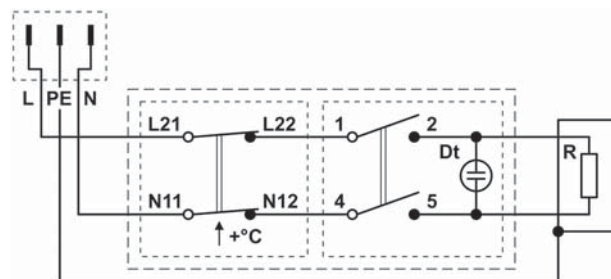
DIMENSIONS, MODELS



MODEL		ETT-N 2.0	ETT-N 3.0
NOMINAL OUTPUT	kW	2.0	3.0
NOMINAL CURRENT	A	8.7	13.0
ELEMENT LENGTH (L)	mm	350	450
NON-HEATING END LENGTH (LN)	mm	180	180
CODE	--	16942	16943

ELECTRIC WIRING

1/N/PE AC 230V



G 6/4" ELECTRIC HEATING ELEMENTS with thermostatic head

Output: 2 - 12 kW
Application: thermal stores and hot water tanks (suitable for PV)



ETT-R Electric Heating Elements

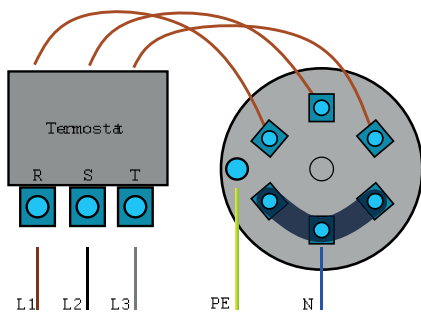
Nickel-plated electric resistance heating elements **with thermostatic head, no contactor**, intended for heating of static or flowing heating water or antifreeze fluid in thermal stores or **drinking water in hot water tanks**. These elements are not intended for stainless steel tanks. They are suitable for **utilizing electricity surplus from PV systems**.

They are designed to be installed in a horizontal position so that the element is completely immersed in the working fluid, with the cable gland downwards. They are wired to the mains by a fixed connection of the cable (not included in supply) to a terminal box or switchboard.

DIMENSIONS, MODELS



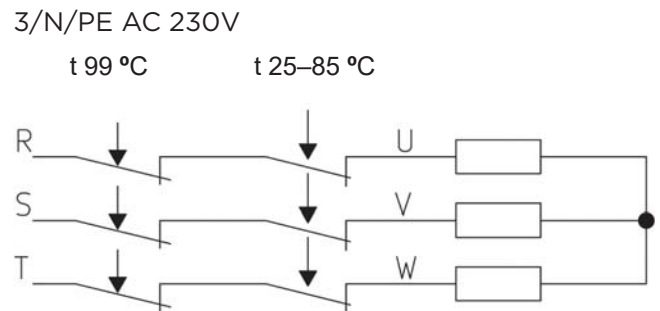
CONNECTION DIAGRAM



TECHNICAL DATA

HEATING ELEMENT	nickel-plated copper
CONNECTION	G 6/4" M
HEXAGON WITH G 6/4" THREAD	nickel-plated brass
CASE	plastic
POWER SUPPLY	230V 50 Hz
IP RATING	IP 65
PROTECTION CLASS BY EN 61140 ed.2	I
OPERATING THERMOSTAT	capillary type, adjustable
SWITCH-OVER CONTACT	20 A
TEMPERATURE ADJUSTMENT RANGE	from 25 °C to 85 °C
TEMPERATURE ADJUSTMENT METHOD	rotating knob
SWITCHING DIFFERENCE	5 ± 1.5 °C
SAFETY THERMOSTAT	capillary type, fixed setting
SWITCH OFF TEMPERATURE	99 +0/-6 °C
RESET	manual, after temperature drops by 10 K min.

INTERNAL WIRING DIAGRAM



MODEL		ETT-R 2.0	ETT-R 3.0	ETT-R 4.5	ETT-R 6.0	ETT-R 9.0	ETT-R 12.0
NOMINAL OUTPUT	kW	2.0	3.0	4.5	6.0	9.0	12.0
NOMINAL CURRENT	A	20	20	20	20	20	20
ELEMENT LENGTH (L)	mm	295	295	360	485	670	805
NON-HEATING END LENGTH (LN)	mm	100	100	100	100	100	100
CODE	--	19695	19699	19691	19277	19693	20168

G 6/4" ELECTRIC HEATING ELEMENTS with thermostatic head

Output: 7.5 - 12 kW

Application: thermal stores and hot water tanks

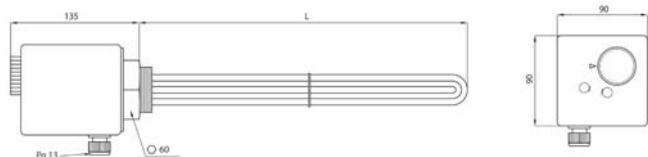


ETT-S Electric Heating Elements

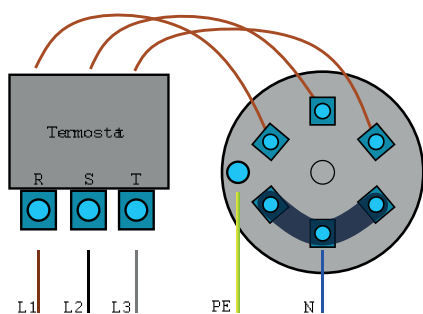
Nickel-plated electric resistance heating elements **with thermostatic head, no contactor**, intended for heating of static or flowing heating water or antifreeze fluid in thermal stores or **drinking water in hot water tanks**. These elements are not intended for stainless steel tanks.

They are designed to be installed in a horizontal position so that the element is completely immersed in the working fluid, with the cable gland downwards. They are wired to the mains by a fixed connection of the cable (not included in supply) to a terminal box or switchboard.

DIMENSIONS, MODELS



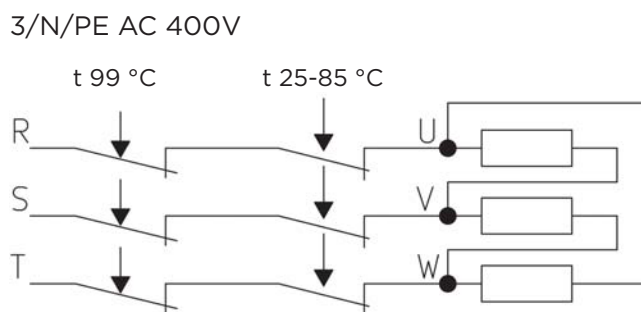
CONNECTION DIAGRAM



TECHNICAL DATA

HEATING ELEMENT	nickel-plated copper
CONNECTION	G 6/4" M
HEXAGON WITH G 6/4" THREAD	nickel-plated brass
CASE	plastic
POWER SUPPLY	230V 50 Hz
IP RATING	IP 65
PROTECTION CLASS BY EN 61140 ed.2	I
OPERATING THERMOSTAT	capillary type, adjustable
SWITCH-OVER CONTACT	20 A
TEMPERATURE ADJUSTMENT RANGE	from 25 °C to 85 °C
TEMPERATURE ADJUSTMENT METHOD	rotating knob
SWITCHING DIFFERENCE	5 ± 1.5 °C
SAFETY THERMOSTAT	capillary type, fixed setting
SWITCH OFF TEMPERATURE	99 +0/-6 °C
RESET	manual, after temperature drops by 10 K min.

INTERNAL WIRING DIAGRAM



MODEL

		ETT-S 7.5	ETT-S 9.0	ETT-S 12.0
NOMINAL OUTPUT	kW	7.5	9.0	12.0
NOMINAL CURRENT	A	20	20	20
ELEMENT LENGTH (L)	mm	575	970	805
NON-HEATING END LENGTH (LN)	mm	100	100	100
CODE	--	20169	19701	20167

G 6/4" ELECTRIC HEATING ELEMENTS with thermostatic head

Output: 2 - 6 kW
Application: thermal stores and hot water tanks
(suitable for PV)



ETT-U Electric Heating Elements

Nickel-plated electric resistance heating elements **with thermostatic head, no contactor**, intended for heating of static or flowing heating water or antifreeze fluid in thermal stores or **drinking water in hot water tanks**. These elements are not intended for stainless steel tanks. They are suitable for **utilizing electricity surplus from PV systems**.

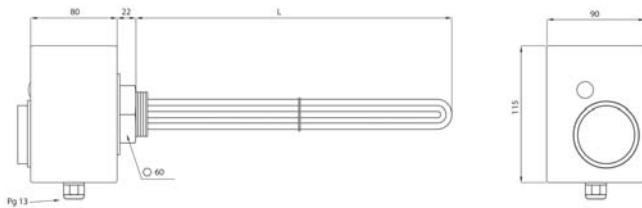
They are designed to be installed in a horizontal position so that the element is completely immersed in the working fluid, with the cable gland downwards. They are wired to the mains by a fixed connection of the 5-wire cable (7-wire cable for code 20219) to a terminal box or switchboard.

The elements feature a longer non-heating end (dimension LN) that permits their use for Thermal Stores with DHW.

TECHNICAL DATA

HEATING ELEMENT	nickel-plated copper
CONNECTION	G 6/4" M
HEXAGON WITH G 6/4" THREAD	nickel-plated brass
CASE	plastic
POWER SUPPLY	230V 50 Hz
IP RATING	IP 54
PROTECTION CLASS BY EN 61140 ed.2	I
OPERATING THERMOSTAT	capillary type, adjustable
SWITCH-OVER CONTACT	20 A
TEMPERATURE ADJUSTMENT RANGE	from 15 °C to 80 °C
TEMPERATURE ADJUSTMENT METHOD	rotating knob
SWITCHING DIFFERENCE	5 ± 1.5 °C
SAFETY THERMOSTAT	capillary type, fixed setting
SWITCH OFF TEMPERATURE	99 +0/-6 °C
RESET	manual, after temperature drops by 10 K min.

DIMENSIONS, MODELS

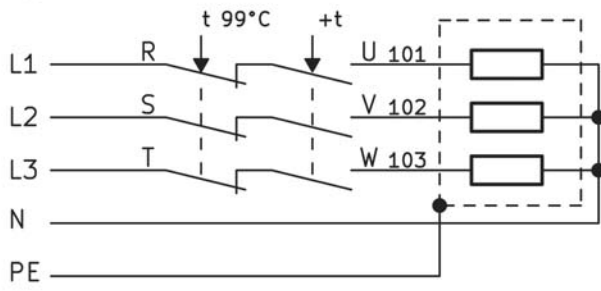


MODEL		ETT-R 2.0	ETT-R 3.0	ETT-R 5.0	ETT-R 6.0
NOMINAL OUTPUT	kW	2.0	3.0	5.0	6.0
NOMINAL CURRENT	A	20	20	20	20
POWER CABLE	-	5x1.5	5x2.5	5x2.5	7x1.5
ELEMENT LENGTH (L)	mm	295	295	360	485
NON-HEATING END LENGTH (LN)	mm	180	180	180	180
CODE	--	20214	20220	20216	20219

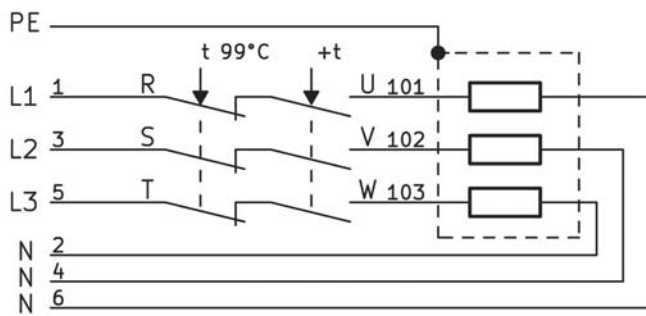
ELECTRIC WIRING

3/N/PE AC 230V

2 to 5 kW



6 kW



POWER CABLE

CROSS SECTION

see table of models

LENGTH

2m

CABLE GLAND

Pg13

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

Output: 2 - 3 kW

Application: hot water storage tanks, thermal stores



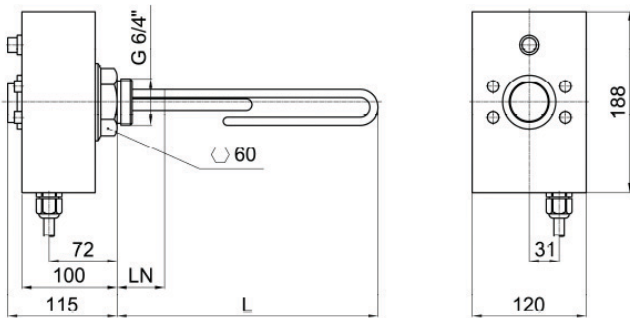
ETT-D2 Electric Heating Elements

Nickel-plated resistance heating elements with **a thermostatic head** and contactor, intended for heating of static heating water or antifreeze fluid in thermal stores or for drinking water heating in hot water storage tanks. These elements are not intended for stainless steel tanks. They **are suitable for drinking water heating** in hot water storage 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 5-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.

DIMENSIONS, MODELS



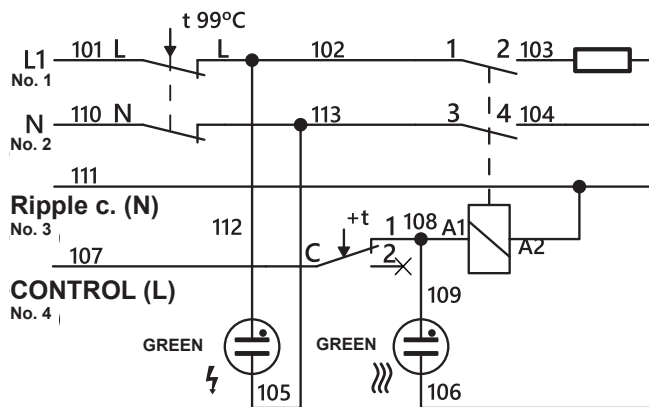
MODEL		ETT-D2 2.0	ETT-D2 3.0
NOMINAL OUTPUT	kW	2.0	3.0
NOMINAL CURRENT	A	8.7	13.0
ELEMENT LENGTH (L)	mm	315	370
NON-HEATING END LENGTH (LN)	mm	100	100
CODE	--	19703	19710

TECHNICAL DATA

HEATING ELEMENT CONNECTION	nickel plated copper G 6/4" M
HEXAGON WITH G 6/4" THREAD	nickel plated brass
CASE	aluminium alloy
POWER SUPPLY	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 LOWER LIMIT	5 ± 1.5 °C about 15 °C - frost protection
UPPER LIMIT	cca 60 °C - for HW storage tanks
SAFETY THERMOSTAT	capillary type, fixed setting
SWITCHING TEMP.	99 +0/-10 °C
RESET	manual, after temperature drops below 40 °C
CONTACTOR	AC1 : 20 A / 690 V, 1Z
COIL VOLTAGE	AC 220 - 240 V
FREQUENCY	50 Hz

ELECTRIC WIRING

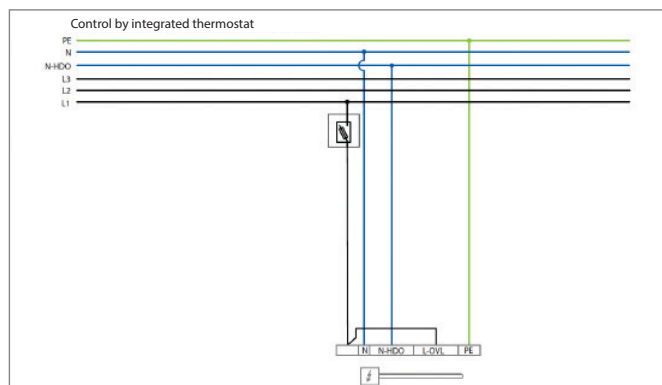
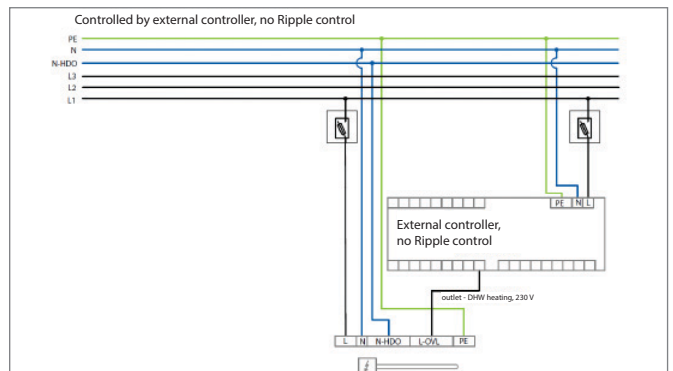
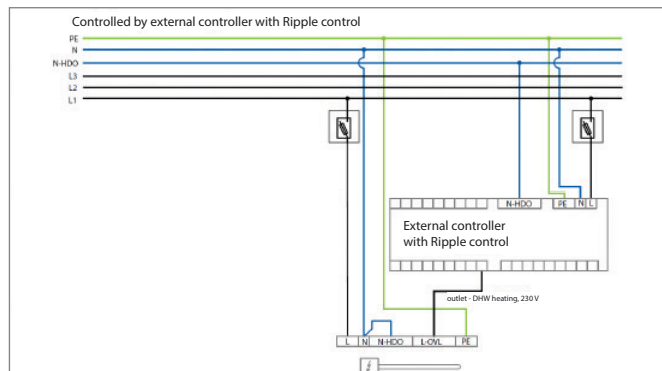
1/N/PE AC 230V



POWER CABLE

CROSS SECTION	5× 1.5 mm ²
LENGTH	2 m
CABLE GLAND	Pg11

WIRING EXAMPLES



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

Output: 3 - 5 kW
Application: hot water storage tanks, thermal stores



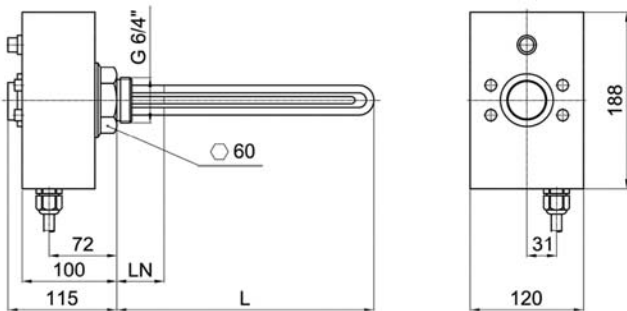
ETT-F2 Electric Heating Elements

Nickel-plated resistance heating elements **with a thermostatic head and contactor**, intended for heating of static heating water or antifreeze fluid in thermal stores or for drinking water heating in hot water storage tanks. A heating element designed **to use electricity from PV panels**.

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.

DIMENSIONS, MODELS



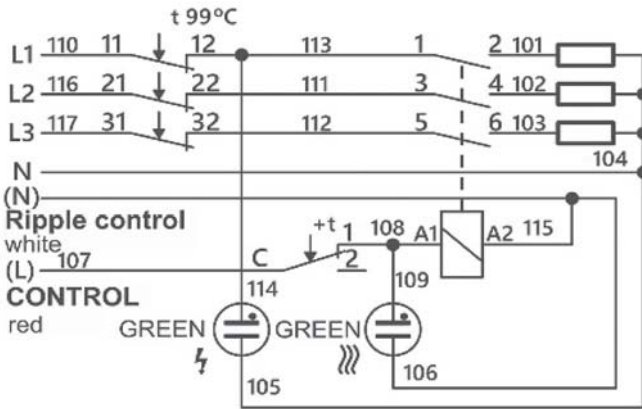
MODEL		ETT-F2 3	ETT-F2 5
NOMINAL OUTPUT	kW	3.0	5
NOMINAL CURRENT	A	4.3	6.5
ELEMENT LENGTH (L)	mm	370	500
NON-HEATING END LENGTH (LN)	mm	180	180
CODE	--	20232	20234

TECHNICAL DATA

HEATING ELEMENT CONNECTION	nickel plated copper G 6/4" M
HEXAGON WITH G 6/4" THREAD	nickel plated brass
CASE	aluminum alloy
POWER SUPPLY	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
SWITCHING TEMP.	99 +0/-6 °C
RESET	manual, after temperature drops below 80 °C
CONTACTOR	AC1 : 20 A / 690 V, 1Z
COIL VOLTAGE	AC 220 - 240 V
FREQUENCY	50 Hz

ELECTRIC WIRING

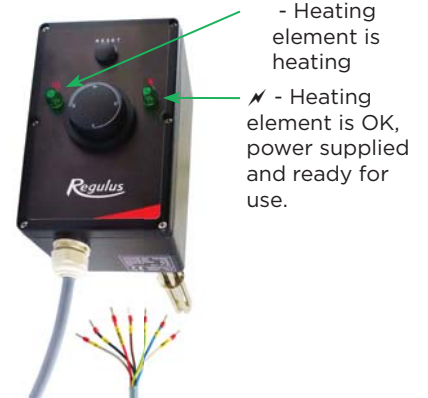
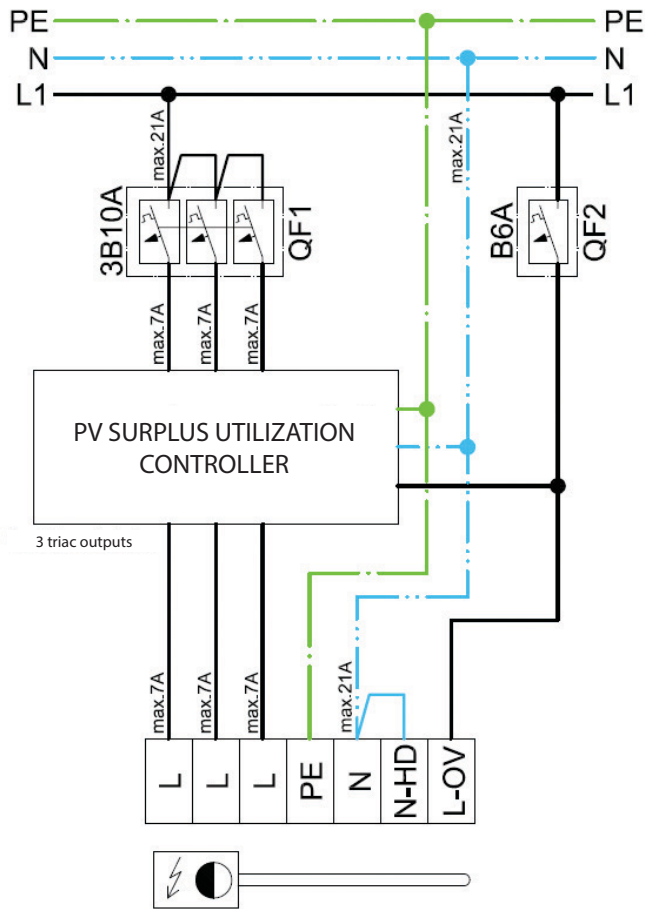
3/N/PE AC 400/230 V



POWER CABLE

CROSS SECTION	7 × 2.5 mm ²
LENGTH	2m
CABLE GLAND	Pg16

WIRING EXAMPLES



- Heating element is heating
- ⚡ - Heating element is OK, power supplied and ready for use.

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

Output: 2 - 9 kW

Application: hot water storage tanks, thermal stores



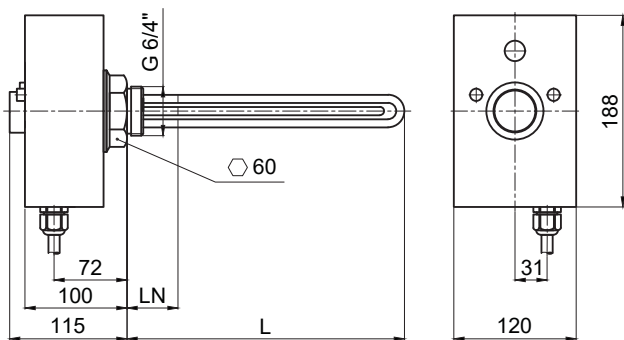
ETT-P Electric Heating Elements

Nickel-plated resistance heating elements **with a thermostatic head and contactor**, intended for heating of static heating water or antifreeze fluid in thermal stores or for drinking water heating in hot water storage tanks. These elements are not intended for stainless steel tanks. They **are suitable for drinking water heating** in hot water storage 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.

DIMENSIONS, MODELS



TECHNICAL DATA

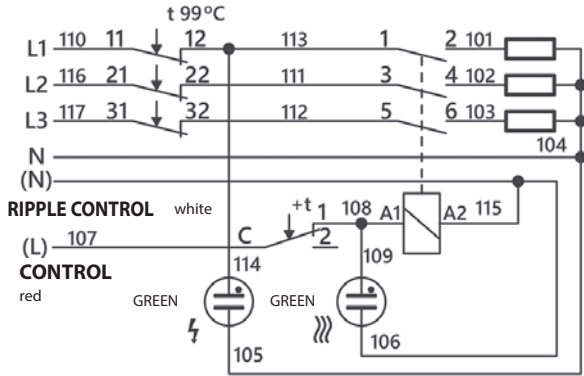
HEATING ELEMENT CONNECTION	nickel plated copper G 6/4" M
HEXAGON WITH G 6/4" THREAD	nickel plated brass
POWER SUPPLY	400/230V 50 Hz
IP RATING	IP 54
PROTECTION CLASS BY EN 61140 ed.2	I
OPERATING THERMOSTAT	capillary type, adjustable
SWITCH-OVER CONTACT TEMPERATURE	16 A from 0 ± 5 °C to 90 ± 3 °C
ADJUSTMENT RANGE	
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
SWITCHING TEMP.	99 +0/-6 °C
RESET	manual, after temperature drops below 80 °C
CONTACTOR	AC1 : 20 A / 690 V, 1Z
COIL VOLTAGE	AC 220 - 240 V
FREQUENCY	50 Hz

MODEL		ETT-P 2.0	ETT-P 3.0	ETT-P 4.5	ETT-P 6.0	ETT-P 7.5	ETT-P 8.2	ETT-P 9.0
NOMINAL OUTPUT	kW	2.0	3.0	4.5	6.0	7.5	8.2	9.0
NOMINAL CURRENT	A	2.9	4.3	6.5	8.7	10.8	11.9	13.0
ELEMENT LENGTH (L)	mm	310	370	500	555	635	700	755
NON-HEATING END LENGTH (LN)	mm	180	180	180	180	180	180	180
CODE	--	19041	19043	18915	18386	19045	19042	19044

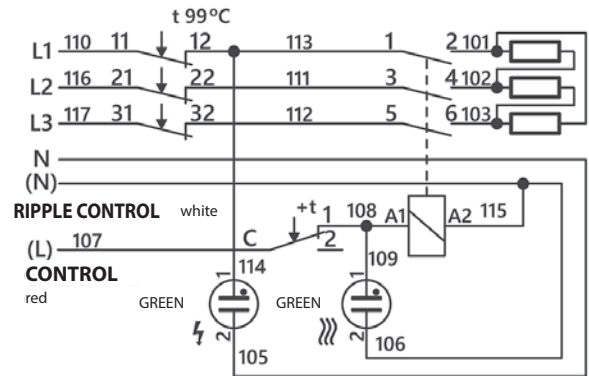
ELECTRIC WIRING

3/N/PE AC 400/230V

2- 6 kW

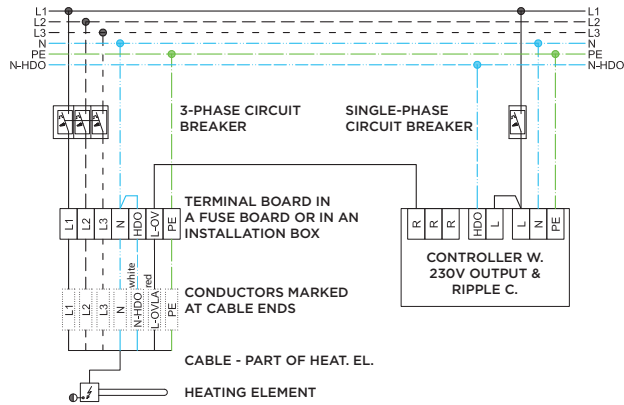


7,5 - 9 kW

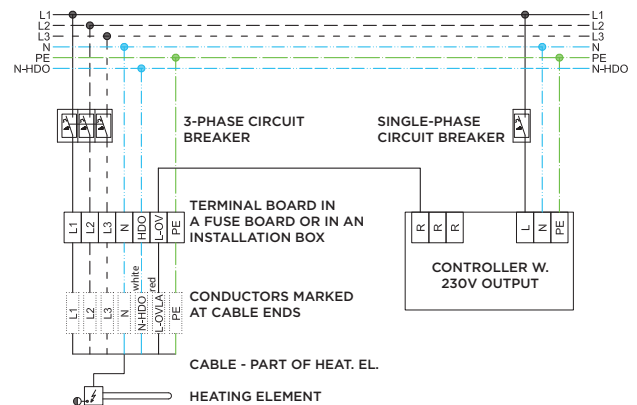


WIRING EXAMPLES

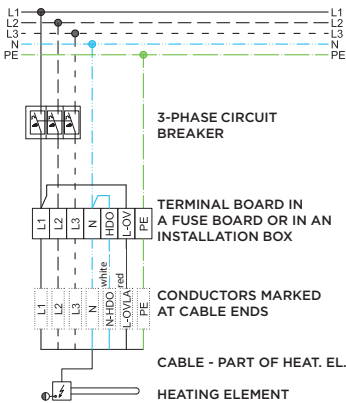
Control via external controller with Ripple control



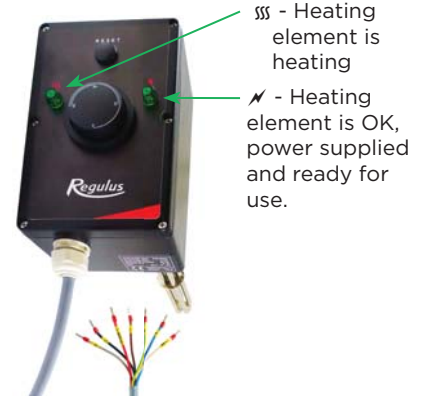
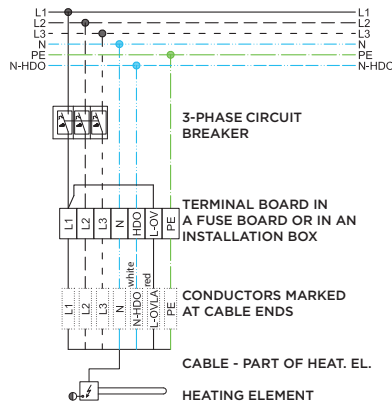
Control via external controller without Ripple control



Control via integrated thermostat without Ripple control



Control via integrated thermostat with Ripple control



Max. length of heating elements in HW storage tanks and thermal stores

HW tank type	Max. length in a connection [mm]	Number of connections for heating elements	Max. length in a flange [mm]	Flange codes	Thermal store type	Max. length in a connection [mm]	Number of connections for heating elements
HW TANKS					THERMAL STORES		
ROBC 200	500	1	500	17199	PSWF 300 N+	635	3
ROBC 300	500	1	500	17199	PSWF 500 N+	680	3
ROBC 400	635	1	585	17432	PSWF 800 N+	755	3
ROBC 500	680	1	680	17432	PSWF 1000 N+	755	3
ROBC 750	815	1	815	17428	PSWF 1500 N+	955	3
ROBC 1000	815	1	815	17428	PSWF 2000 N+, N25	955	3 ³⁾
ROBC 1500	815	1	815	17435	PS 600 ES+	700	0 ²⁾
ROBC 2000	815	1	815	17435	PS 900 ES+	815	0 ²⁾
ROBC 2500	815	1	815	17435	PS 1100 ES+	815	0 ²⁾
ROBC 3000	815	1	815	17435	PS 500 E+	680	1
RBC 200 HP	500	1	370	17434	PS 750 E+	755	1
RBC 300 HP	500	1	370	17434	PS 1000 E+	815	1
RBC 300 HP 3.2V	500	1	370	17432	PS 1100 E+	815	1
RBC 400 HP	635	1	470	17434	PS 1250 E+	955	1
RBC 500 HP	680	1	500	17434	PS 80 Z	585	1
RBC 750 HP	815	1	635	17428	PS 100 IZ	500	2
RBC 1000 HP	-	0	635	17428	PS 200 IZ	500	2
RBC 1500 HP	-	0	815	17435	PS 200 N+	500	5
RBC, R2BC 200	500	1	370	17199	PS, PS2F 300 N+	635	5
RBC, R2BC 300	500	1	370	17199	PS 400 N+	635	5
RBC, R2BC 400	635	1	470	17432	PS 500 Nx, PS2F 500 N+	680	5 ³⁾
RBC, R2BC 500	680	1	500	17432	PS 600 N+	700	5
RBC, R2BC 750	815	1	635	17433	PS 700 N+	755	5
RBC, R2BC 1000	815	1	635	17433	PS, PS2F 800 N+	815	5
RBC, R2BC 1500	815	1	815	17435	PS 900 N+	815	5
RBC, R2BC 2000	815	1	815	17435	PS 1000 Nx, PS2F 1000 N+	815	5 ³⁾
RBC, R2BC 2500	815	1	815	17435	PS 1100 N+	815	5
RBC, R2BC 3000	815	1	815	17436	PS 1500 Nx, PS2F 1500 N+	955	5 ³⁾
RxDC 160	500	1	-	-	PS 2000 Nx, PS2F 2000 N+	955	5 ³⁾
RxDC 200	500	1	-	-	PSxx 3000 N25	955	5 ³⁾
RxDC 250	500	1	-	-	PSxx 4000 N25	955	5 ³⁾
RxDC 300	500	1	370	12707	PSxx 5000 N25	955	5 ³⁾
RGC 120	370	1	-	-	PS 400 K+	680	5
RGC 170	500	1	-	-	PS 500 K+	700	5
RGC 300 HP 2.5	-	0	470	included in tank	PS 600 K+	755	5
NBC 170 HP	-	0	-	-	PS 700 K+	815	5
HSK 220 TV	-	0	-	-	PS 900 K+	815	5
					PS 1100 K+	955	5

Thermal store type	Max. length in a connection [mm]	Number of connections for heating elements
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THERMAL STORES W. DHW		
DUO 390/130 x	500	3 ¹⁾
DUO 600/200 x	500	3 ¹⁾
DUO 750/200 x	635	3 ¹⁾
DUO 1000/200 x	700	3 ¹⁾
DUO 1700/200 x	955	3 ¹⁾
HSK 250 PB	500	3 ⁴⁾
HSK 350 K P-B	-	0
HSK 390 x	555	3 ¹⁾
HSK 400 x	635	3 ⁴⁾
HSK 600 x	555	3 ¹⁾
HSK 650 PB	755	3 ⁴⁾
HSK 750 x	700	3 ¹⁾
HSK 1000 x	755	3 ¹⁾
HSK 1700 x	955	3 ¹⁾

¹⁾ - P and PV types have an extra 4th connection for a PV element

²⁾ - if any heat source is connected, no heating element can be installed (the thermal store has only 2 connections for heat sources)

³⁾ - when installing heating element to N25 thermal stores, a reduction G 2,5" M x G 6/4" F is necessary

⁴⁾ - it is not necessary to use heating elements with a longer non-heating end in this type of HSK thermal stores

Product code overview

The following table brings a basic overview of the heating elements available. Depending on the desired application, output and features of the heating element, the series can be identified in the table together with the page containing detailed information.

G 6/4“ Electric Heating Elements for thermal stores and hot water storage tanks

Thermostat	Series	Surface finish ¹⁾	Power supply ²⁾	Length of non-heating end (mm)	Cable	Connector	Suitable for PV ³⁾	Output (kW)	Page
none	A	Ni	3x 230 V (1x 230 V)	100	x	x	✓	2-6	4
			3x 400 V	100	x	x	x	7.5-12	4
	C	Cu	3x 230 V (1x 230 V)	180	x	x	✓	2-6	5
			3x 400 V	180	x	x	x	7.5-12	5
operating and safety ones	M	Ni	1x 230 V	180	3m	Uni Schuko	x	1.2-3	6
	N	Ni	1x 230 V	180	5m	plug for CSE SOL	x	2-3	7
	R	Ni	3x 230 V (1x 230 V)	100	x	x	✓	2-12	8
	S	Ni	3x 400 V	100	x	x	x	7.5-12	9
	U	Ni	3x 230 V (1x 230 V)	180	2m	x	✓	2-6	10
operating and safety ones, with contactor	D2	Ni	1x 230 V	100	2m	x	x	2-3	12
	F2	Ni	3x 230 V (1x 230 V)	180	2m	x	✓	3-5	14
	P	Ni	3x 230 V	180	2m	x	x	2-6	16
			3x 400 V	180	2m	x	x	7.5-12	16

¹⁾ Nickel-plated models are suitable for DHW.

²⁾ 3 x 230 V = star connection
3 x 400 V = delta connection

³⁾ Suitable for PV = These models can be used in applications that control current (typically using SSR relays). For 3-phase models, the current through each of the phases can be controlled separately. If a cable is included in supply, then it is rated for such a current control.

