

⚠ Attention:
Before starting any maintenance jobs, the control and the power switchgear must be separated from the mains at all poles!

⚠ Attention:
if only one of the earth leakage curcuit breaker is disconnected, it is possible that there is still voltage on the oven !

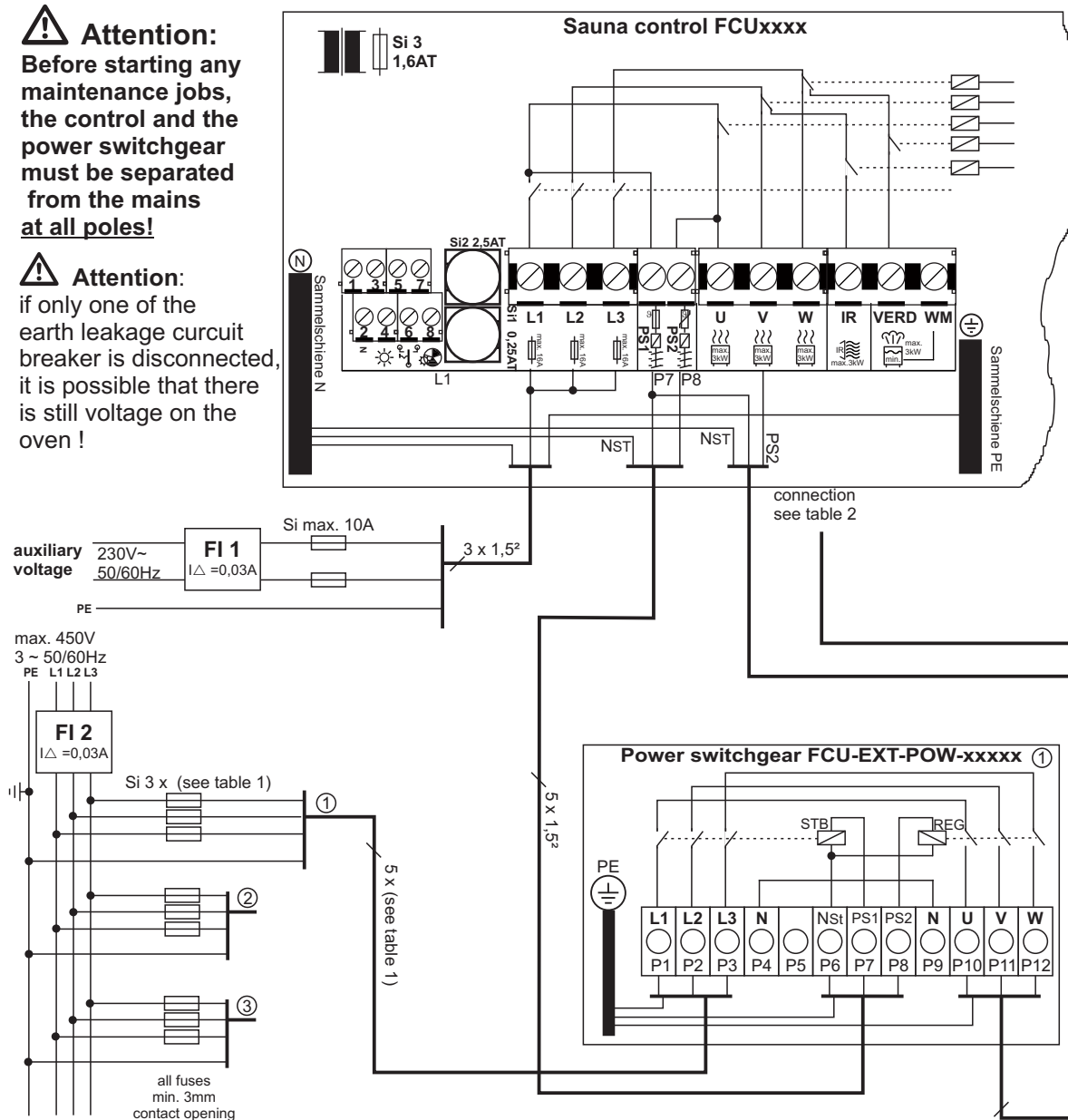


Table 1:

Heater power at 230/400V	Min. cross section connection line (Cu)	Fuse
Up to 6,9 kW	5 x 1,5 ²	3 x 10 A
7,0 to 11,0 kW	5 x 2,5 ²	3 x 16 A
11,1 to 13,8 kW	5 x 4 ²	3 x 20 A
13,9 to 17,2 kW	5 x 6 ²	3 x 25 A
17,3 to 24,0 kW	5 x 10 ²	3 x 35 A
All details for symmetrical distribution of the 3 heating phases!		

Note: All the cables which lead to the cabin must be designed for a max. temperature of 150°C !

² in mm² All cross-sections are designed for copper cables!
Increase in AL-lines cross-section accordingly!
The cross section may be due to cable length,
Routing or special provisions to increase!

Table 2:

Connection of further FCU-EXT-POW			
following connections to be made for all the power units			
FCU-EXT-POW		to	FCUxxxx
all "Nst" (Cl. no. P6)		→	N bus bar
all "PS1" (Cl. no. P7)		→	PS1
unit no.		finn. sauna / humid-sauna	
②	PS2 (Cl. no. P8)	→ Oven V	Oven V
③	PS2 (Cl. no. P8)	→ Oven W	Oven V
④	PS2 (Cl. no. P8)	→ Oven U	Oven U

Note: when using multiple oven, then you have to install a safety temperature limiter (STB) over each oven.
All STB must be connected in **series**. Only the oven sensor of the hottest oven is connected to the control unit.
The hottest oven is the one with the highest power, or at the same power, the one which is controlled by clamp „PS2" or „Oven U".

5 x (silicone)
see table 1
All heater phases must be symmetrical

Special connection diagramm
sauna control and power switchgear without neutral line
The total load is switched by the switchgear, the control unit switches no load !

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