

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

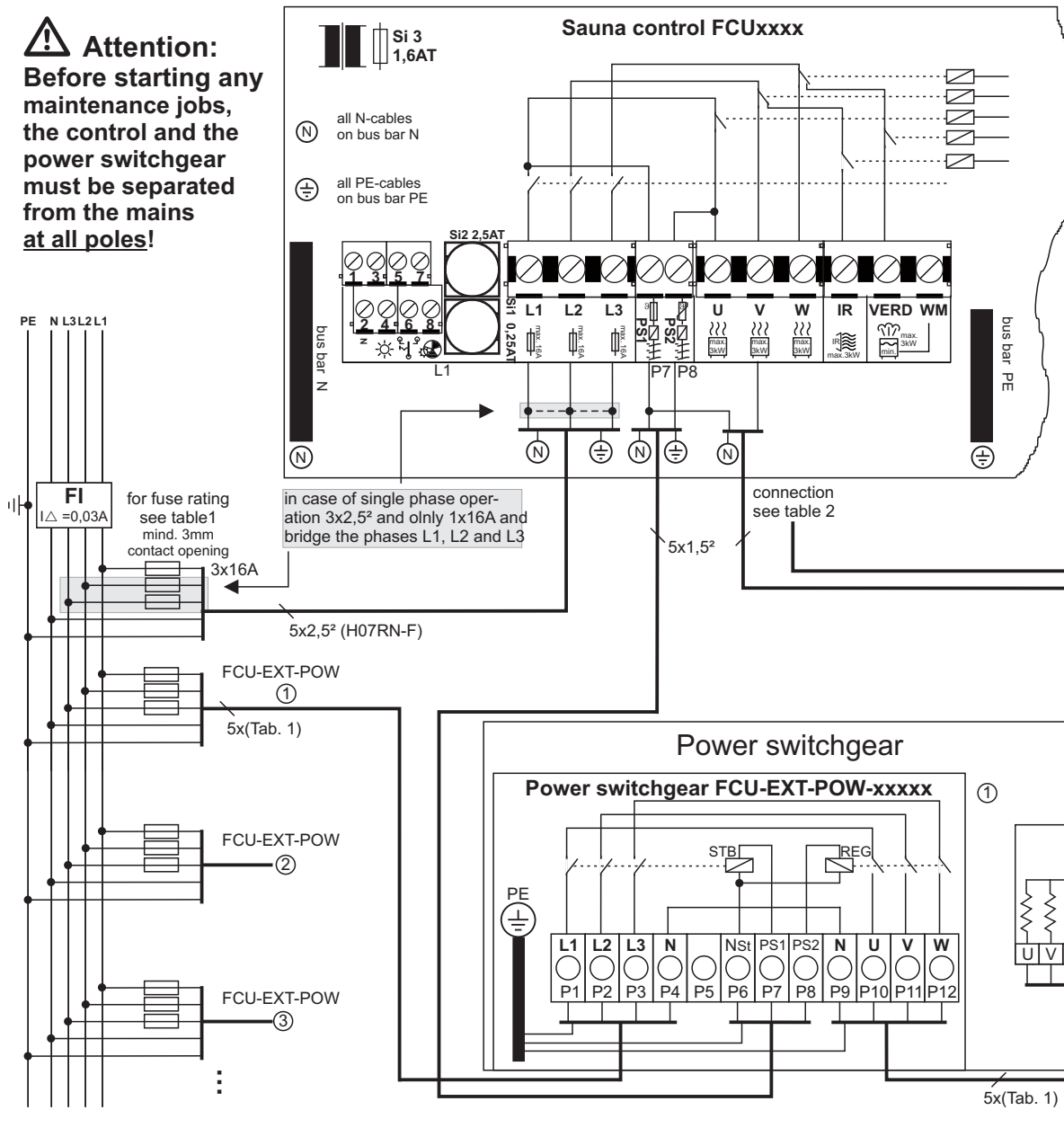


Table 1:

| 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!

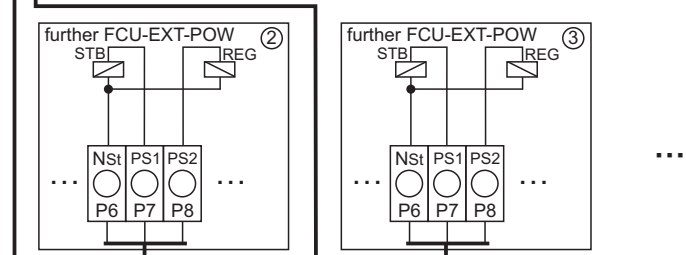
Note: All the cables which lead to the cabin must be designed for a max. temperature of 150°C !

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 W |
| 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".



Connection diagram power switchgear FCU-EXT-POW-xxxxx (quad)