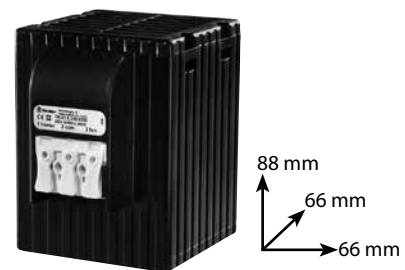




## 7H.51

	<b>7H.51.8.230.0xxx</b> U <sub>N</sub> 230 V AC (50/60 Hz) U <sub>min</sub> 184 V AC U <sub>max</sub> 253 V AC
	I <sub>nom</sub> 1 A - P <sub>max</sub> 250 W (7H.51.8.230.0250) * I <sub>nom</sub> 1,7 A - P <sub>max</sub> 400 W (7H.51.8.230.0400) *
	(-40...+50)°C
IP20	

### 7H.51.8.230.0250 7H.51.8.230.0400

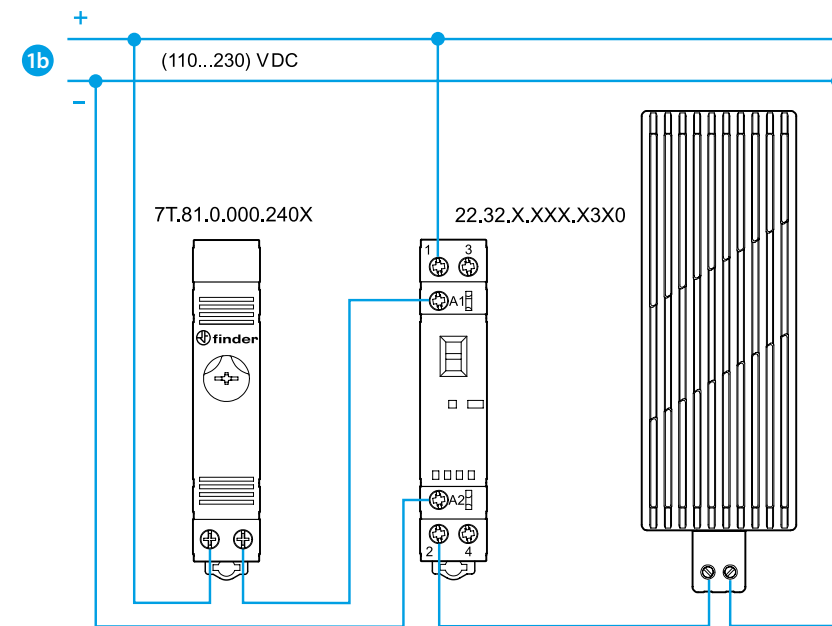
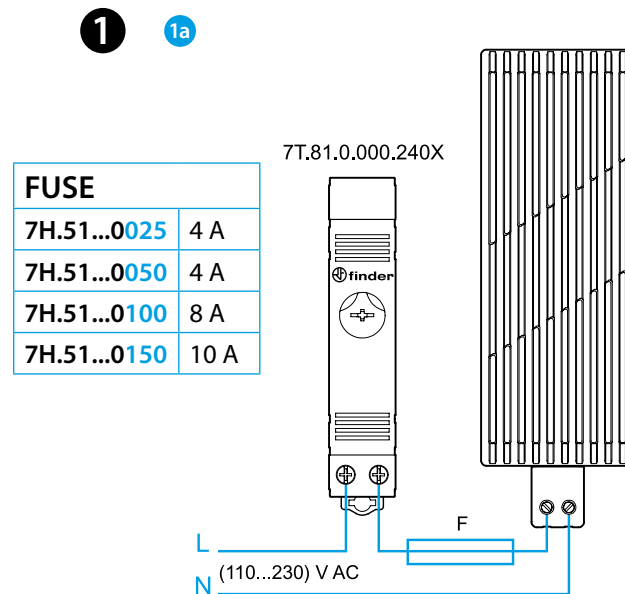
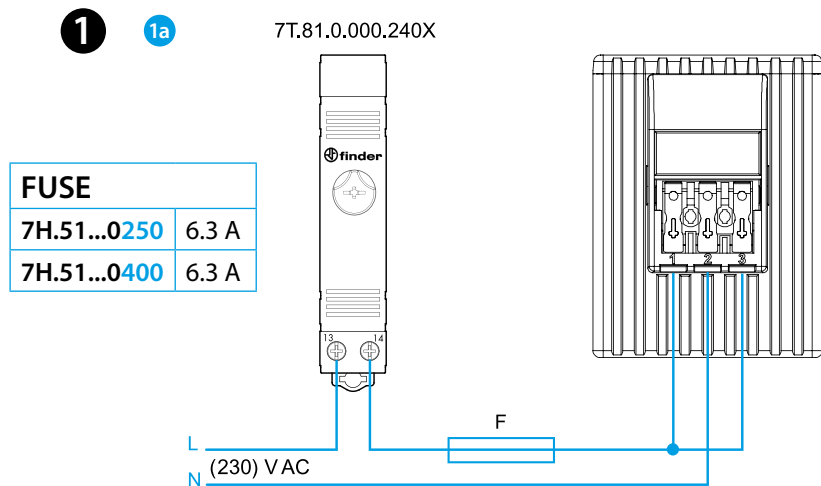


	<b>7H.51.0.230.xxxx</b> U <sub>N</sub> 110...230 V AC (50/60 Hz) / DC U <sub>min</sub> 88 V AC/DC U <sub>max</sub> 253 V AC/DC
	I <sub>nom</sub> 0.13 A - P <sub>max</sub> 25 W (7H.51.0.230.0025) * I <sub>nom</sub> 0.2 A - P <sub>max</sub> 50 W (7H.51.0.230.0050) * I <sub>nom</sub> 0.45 A - P <sub>max</sub> 100 W (7H.51.0.230.0100) * I <sub>nom</sub> 0.7 A - P <sub>max</sub> 150 W (7H.51.0.230.0150) *
	(-40...+50)°C
IP20	

### 7H.51.0.230.0025 7H.51.0.230.0050



### 7H.51.0.230.0100 7H.51.0.230.0150



## ENGLISH

### 7H.51 PANEL HEATERS (FAN ASSISTED 7H-0250/7H-0400)

Panel heaters avoid the formation of condensation within closed electrical cabinets by maintaining a minimum internal temperature.

#### 1 WIRING DIAGRAMS

7H.51 heaters incorporate a self-regulating PTC heating element. For maintaining the internal cabinet temperature use in conjunction with a thermostat (eg. Type 7T.81.0.000.240X)

**1a** Wiring diagram for AC supply

**1b** Wiring diagram for DC supply (only 7H-0025 / 7H-0050 / 7H-100 / 7H-150)

#### SAFETY NOTES

For reason of safety and performance, heaters must be mounted in the following way:

- 1) Maintain a distance of 100 mm from any components above or below the heater, and 60 mm from components to either side
- 2) Install the heater vertically (cables below) and in the bottom part of the cabinet
- 3) Mount on 35 mm rail
- 4) Do not mount the heater above easily inflammable materials
- 5) Do not operate in a corrosive environment

#### INSTALLATION AND CONNECTION

Heater connection must be done by trained electricians according national electrical safety codes.

Before any operation, disconnect cabinet. Connect to main terminal box (L/+) (N/-) with an approved minimum section 2x1mm<sup>2</sup> cable. Consider that the 7H.51 value 6 times higher than rated current.

#### WARNING

- Do not cover the heater
- The 7H.51 heater remains very hot for 15-20 minutes after disconnection
- Do not touch during working or maintenance

**Warning:** risk of burns

#### TECHNICAL NOTES

- Aluminium profile with plastic cover
- Vertical positioning
- Mounting clip for 35 mm rail (EN 60715)
- \*P<sub>max</sub>: at 20°C ambient temperature
- Fan assisted heaters - air flow rate 30 m<sup>3</sup>/h (7H-0250/0400)
- Screw terminals (7H-0025 / 7H-0050 / 7H-100 / 7H-150)
- Fast wiring terminals (7H-0250/0400)
- Recommended delayed fuse

