Panel Heaters 25 - 50 - 100 - 150 -250 - 400 W



Drying kilns



Hoists and cranes



Road / tunnel lighting



Plastic moulding machines



Automatic car-washes



Panels for electrical distribution



Control panels



Forced-air ventilators



Panel Heaters 25 - 50 - 100 - 150 W

Panel heaters

Type 7H.51.0.230.0025

- Heating power 25 W

Type 7H.51.0.230.0050

- Heating power 50 W
- Nominal voltage (110...230)V AC/DC
- Safe touch
- PTC resistor, self regulating heating system
- Clip for 35 mm rail (EN 60715) mount

7H.51.0025/0050 Screw terminal



7H.51.0.230.0025



- Heating power 25 W
- Nominal voltage (110...230)V AC/DC
- Safe touch

7H.51.0.230.0050

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- Heating power 50 W
- Nominal voltage (110...230)V AC/DC
- Safe touch

f At 20°C ambient tempe	erature
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^{**} Except upper protection grille

For outline drawings see p	page 7			
Heating specification			'	
Heating power * W		25	50	
Heater		PTC resistor, self-regulating heating system		
Surface temperature**	°C	≤ 100	≤ 100	
Housing		Plastic according to UL94 – V0, black		
Supply specification				
Nominal voltage (U _N)	V AC (50/60 Hz)/DC	110230	110230	
Rated current	Α	0.13	0.20	
Operating range	V AC/DC	88253	88253	
Technical data				
Radiator		Alluminium profile		
Electrical connection		Screw terminals		
Fitting position		Vertical		
Ambient temperature	°C	-45+50	-45+50	
Protection category		IP 20	IP 20	
Approvals (according to type)		(€	FAI (541)us	

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Panel heaters

Type 7H.51.0.230.0100

- Heating power 100 W

Type 7H.51.0.230.0150

- Heating power 150 W
- Nominal voltage (110...230)V AC/DC
- Safe touch
- PTC self regulating heating system
- Clip for 35 mm rail (EN 60715) mount

7H.51.0100/0150 Screw terminal



7H.51.0.230.0100



- Heating power 100 W
- Nominal voltage (110...230)V AC/DC
- Safe touch

7H.51.0.230.0150



- Heating power 150 W
- Nominal voltage (110...230)V AC/DC
- Safe touch

*	Αt	20°C	ambient temperature	
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^{**} Except upper protection grille

For outline drawings see page 8				
Heating specification				
Heating power *	W	100 150		
Heater		PTC resistor, self-regulating heating system		
Surface temperature**	°C	≤ 80	≤ 80	
Housing		Plastic according to UL94 – V0, black		
Supply specification				
Nominal voltage (U_N)	V AC (50/60 Hz)/DC	110230	110230	
Rated current	Α	0.45	0.70	
Operating range	V AC/DC	88253	88253	
Technical data				
Radiator		Alluminium profile		
Electrical connection		Screw terminals		
Fitting position		Vertical		
Ambient temperature	°C	-45+50	-45+50	
Protection category		IP 20	IP 20	
Approvals (according to type)		(€ ﷺ)	[A[c %) "us	



Panel heaters fan assisted

Type 7H.51.8.xxx.0250

- Heating power 250 W

Type 7H.51.8.xxx.0400

- Heating power 400 W
- Nominal voltage 110 or 230 V AC
- Safe touch
- PTC resistor, self regulating heating system
- Fast wiring terminals
- Clip for 35 mm rail (EN 60715) mount

7H.51.0250/0400 Push-in terminal







- Heating power 250 W
- Nominal voltage 110 or 230 V AC
- Fan assisted





- Heating power 400 W
- Nominal voltage 110 or 230 V AC
- Fan assisted

- * At 20°C ambient temperature
- ** Except upper protection grille

For outline drawings see page	8					
Heating specification						
Heating power *	W	250		400		
Heater		PTC resistor, self-regulating heating system			stem	
Surface temperature**	°C	≤ 30 ≤ 30			30	
Air flow rate	m³/h	30				
Fan - Life time at 25 °C	h	50 000 50 000			000	
Housing		Plastic according to UL94 – V0, black			k	
Supply specification						
Nominal voltage (U _N)	V AC (50/60 Hz)	110	230	110	230	
Rated current	Α	2	1	3	1.7	
Operating range	V AC	88121	184253	88121	184253	
Technical data						
Radiator	adiator			Alluminium profile		
Electrical connection		Push-in terminal				
Fitting position		Vertical				
Ambient temperature	°C	-40+50 -40+50			.+50	
Protection category		IP 20 IP 20			20	
Approvals (according to type)		(€ ﷺ	[][c 911 °us			

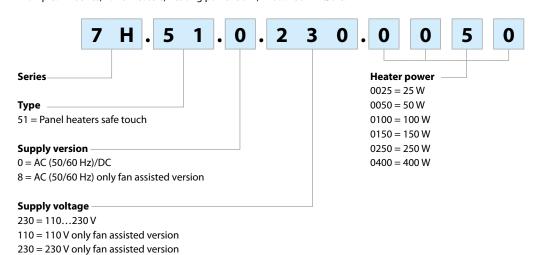
V-2022, www.findernet.com





Ordering information

Example: 7H series, Panel heaters, heating power 50 W, 110...230 V AC/DC.



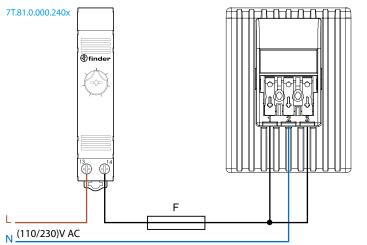
General data

Insulation		7H.51.0025/050/100/150	7H.51.8250/400
Rated voltage of power supply system	V AC	120/240	240
Rated insulations voltage	V AC	250	
Pollution degree		3	
Terminal insulation			
Dielectric strenght between L and N to metal clip on the housing	V AC (3s)	25	00
Overvoltage category			
Rated impulse voltage (1.2/50)µs	kV	2	.5

Terminals		solid cable	stranded cable
Max. wire size (push-in terminals)	$\mathrm{mm^2}$	2 x 1.5	2 x 1.5
	AWG	2 x 16	2 x 16
Max. wire size (screw terminals)	mm²	1 x 2.5	1 x 1.5
	AWG	1 x 12	1 x 16
Screw torque	Nm	n 0.5	

Wiring diagrams

Fan assisted version



NOTE: Separate supply (L) terminals for the heater and the internal fan allow them to be powered independently.

So, dependent on the specific situation, the installer might wish the heating element to be controlled by an upstream thermostat but require the fan to run continuously (although the latter will significantly reduce the product's life).

1 = L (heater)

2 = N

3 = L (fan)

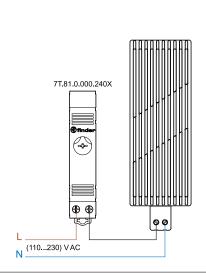
F = aM 10 A @110 V ACaM 6.3 A @230 V AC

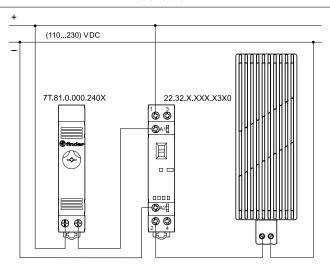


Wiring diagrams

NOT Fan assisted versions

AC version DC version





SAFETY NOTE

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

- 1. keep a distance of 100 mm. from components above and below and of 60 mm from side components
- 2. install vertically (cables below heater) in the bottom part of cabinet
- 3. do not mount heaters over easily inflammable materials
- 4. do not operate in corrosive ambient air

WARNING

Do not cover the heater.

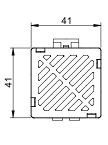
The 7H.51 Heater surface is very hot for 15-20 minutes after disconnecting. During working and maintenance, don't touch it.

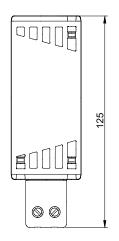
Caution: risk of burns, temperatur of the side less than +100 °C...

Outline drawings

Type 7H.51.0025 Screw terminal

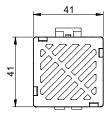


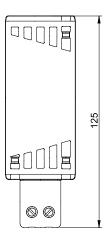














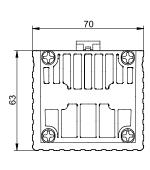
Outline drawings

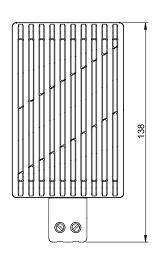
Type 7H.51.0100 Screw terminal

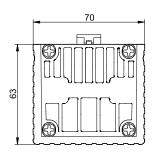


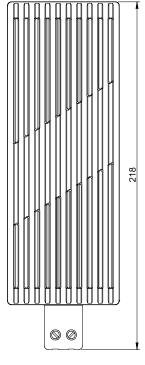
Type 7H.51.0150 Screw terminal











Types 7H.51.0250 / 0400 Push-in terminal



