

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



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7H SERIES Panel Heaters 25 - 50 - 100 - 150 W



Panel heaters	7H.51.0.230.0025	7H.51.0.230.0050				
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* At 20°C ambient temperature ** Except upper protection grille						
For outline drawings see page 7						
Heating specification	25	50				
Heating power * W	25	50				
Heater		lating 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 A	0.13	0.20				
Operating range V AC/DC	88253	88253				
Technical data		I				
Radiator	Alluminium profile					
	Screw terminals					
J						
Fitting position Ambient temperature °C		tical				
2	-45+50	-45+50				
Protection category	IP 20	IP 20				
Approvals (according to type)	vals (according to type) CE [fill c [®] us					

7H SERIES



Panel heater

- Heating p
- Nominal vo
- Safe touch
- PTC self reg
- Clip for 35 m



N 11 4			
Panel heaters Type 7H.51.0.230.0100	7H.51.0.230.0100	7H.51.0.230.0150	
- Heating power 100 W Type 7H.51.0.230.0150			
- Heating power 150 W	States		
Nominal voltage (110230)V AC/DC	· (1)		
Safe touchPTC self regulating heating system	Charles and Charles		
• Clip for 35 mm rail (EN 60715) mount	and the second	00	
7H.51.0100/0150	• Heating power 100 W	• Heating power 150 W	
Screw terminal	Nominal voltage	Nominal voltage	
	(110230)V AC/DC • Safe touch	(110230)V AC/DC • Safe touch	
* At 20°C ambient temperature ** Except upper protection grille			
For outline drawings see page 8			
Heating specification			
Heating power * W	100	150	
Heater	PTC resistor, self-regu	lating heating system	
Surface temperature** °C	≤ 80	≤ 80	
Housing	Plastic according t	o UL94 – V0, black	
Supply specification			
Nominal voltage (U _N) V AC (50/60 Hz)/DC	110230	110230	
Rated current A	0.45	0.70	
Operating range V AC/DC	88253	88253	
Technical data			
Radiator	Alluminium profile		
Electrical connection	Screw terminals Vertical		
Fitting position Ambient temperature °C	Ver 	–45…+50	
Protection category	IP 20	IP 20	

Approvals (according to type)

7H SERIES Panel Heaters 250 - 400 W

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Panel heaters fan assisted	7H.51.8.	xxx.0250 🍿	7H.51.8.	xxx.0400
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 120 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	 PH.51.8. PH.51.8. PHeating powe Nominal volta 120 or 230 V A Fan assisted 	rr 250 W ge	 7H.51.8.3 Fan assisted 	r 400 W ge
* At 20°C ambient temperature				
* At 20°C ambient temperature ** Except upper protection grille				
** Except upper protection grille				
** Except upper protection grille For outline drawings see page 8 Heating specification	V 22	50	40	00
** Except upper protection grille For outline drawings see page 8 Heating specification Heating power *			40 Ilating heating sys	
** Except upper protection grille For outline drawings see page 8 Heating specification Heating power *	РТС		lating heating sys	
** Except upper protection grille For outline drawings see page 8 Heating specification Heating power * Heater Surface temperature**	PTC C ≤	resistor, self-regu 30	lating heating sys	stem
** Except upper protection grille For outline drawings see page 8 Heating specification Heating power * N Heater Surface temperature** ° Air flow rate m³/	PTC C ≤	resistor, self-regu 30	llating heating sys ≤ 30	stem
** Except upper protection grille For outline drawings see page 8 Heating specification Heating power * N Heater Surface temperature** ° Air flow rate m³/ Fan - Life time at 25 °C	PTC C ≤ h h 50	resistor, self-regu 30 30 000	llating heating sys ≤ 30	stem 30 000
** Except upper protection grille For outline drawings see page 8 Heating specification Heating power * N Heater Surface temperature** ° Air flow rate m ³ / Fan - Life time at 25 °C Housing	PTC C ≤ h h 50	resistor, self-regu 30 30 000	llating heating sys ≤ 3 30 50 (stem 30 000
** Except upper protection grille For outline drawings see page 8 Heating specification Heating power * Heater Surface temperature** Air flow rate m³/ Fan - Life time at 25 °C Housing Supply specification	PTC C ≤ h h 50	resistor, self-regu 30 30 000	llating heating sys ≤ 3 30 50 (stem 30 000
** Except upper protection grille For outline drawings see page 8 Heating specification Heating power * Heater Surface temperature** Air flow rate m³/ Fan - Life time at 25 °C Housing Supply specification Nominal voltage (U _N) V AC (50/60 H)	PTC C ≤ h h 50	resistor, self-regu 30 30 000 Plastic according t	Ilating heating sys ≤ 50 50 to UL94 – V0, blac	stem 30 000 k
** Except upper protection grille For outline drawings see page 8 Heating specification Heating power * Heater Surface temperature** Air flow rate m³/ Fan - Life time at 25 °C Housing Supply specification Nominal voltage (U _N) V AC (50/60 H. Rated current	PTC C ≤ h h 50 z) 120 A 2	resistor, self-regu 30 30 Plastic according t 230	Ilating heating sys ≤ : 0 to UL94 – V0, blac	stem 30 000 k 230
*** Except upper protection grille For outline drawings see page 8 Heating specification Heating power * Heater Surface temperature** Air flow rate m³/ Fan - Life time at 25 °C Housing Supply specification Nominal voltage (U _N) V AC (50/60 Hz) Rated current V A	PTC C ≤ h h 50 z) 120 A 2	resistor, self-regu 30 30 000 Plastic according t 230 1	Ilating heating sys ≤ : :0 50 (to UL94 – V0, blac 120 3	stem 30 000 k 230 1.7
** Except upper protection grille For outline drawings see page 8 Heating specification Heating power * Heater Surface temperature** Air flow rate m³/ Fan - Life time at 25 °C Housing Supply specification Nominal voltage (U _N) V AC (50/60 H) Rated current Operating range V A	PTC C ≤ h h 50 z) 120 A 2	resistor, self-regu 30 30 Plastic according 1 230 1 184253	Ilating heating sys ≤ : :0 50 (to UL94 – V0, blac 120 3	stem 30 000 k 230 1.7
*** Except upper protection grille For outline drawings see page 8 Heating specification Heating power * Heater Surface temperature** Air flow rate m³/ Fan - Life time at 25 °C Housing Supply specification Nominal voltage (U _N) V AC (50/60 H. Rated current Operating range V A Technical data Radiator	PTC C ≤ h h 50 z) 120 A 2	resistor, self-regu 30 30 Plastic according t 230 1 184253 Alluminiu	Ilating heating sys ≤ 30 50 to UL94 – V0, blac 120 3 98132	stem 30 000 k 230 1.7
** Except upper protection grille For outline drawings see page 8 Heating specification Heating power * Heater Surface temperature** Air flow rate m³/ Fan - Life time at 25 °C Housing Supply specification Nominal voltage (U _N) V AC (50/60 Here) Rated current Operating range V A Technical data Radiator Electrical connection	PTC C ≤ h h 50 z) 120 A 2	resistor, self-regu 30 30 Plastic according t 230 1 184253 Alluminiu Screwless	Ilating heating sys ≤ : 0 50 (to UL94 – V0, blac 120 3 98132 um profile	stem 30 000 k 230 1.7
** Except upper protection grille For outline drawings see page 8 Heating specification Heating power *	PTC C ≤ ≤ h 50 c 120 A 2 C 98132	resistor, self-regu 30 30 Plastic according t 230 1 184253 Alluminiu Screwless	Ilating heating sys SO SO SO SO SO SO SO SO SO SO	stem 30 000 k 230 1.7
** Except upper protection grille For outline drawings see page 8 Heating specification Heating power * Heater Surface temperature** Air flow rate m³/ Fan - Life time at 25 °C Housing Supply specification Nominal voltage (U _N) V AC (50/60 H) Rated current Operating range V A Radiator Electrical connection Fitting position	PTC C ≤ h 50 h 50 2 120 A 2 C 98132 C 98132	resistor, self-regu 30 30 2000 Plastic according t 230 1 184253 Alluminiu Screwless Ver	llating heating sys \leq : \leq : : :	stem 30 000 k 230 1.7 184253



Ordering information

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



Heater power -

0025 = 25 W 0050 = 50 W 0100 = 100 W 0150 = 150 W 0250 = 250 W0400 = 400 W

General data

G	Terminals		solid cable	stranded cable
	Max. wire size (push-in terminals)	mm²	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	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 @120 V AC aM 6.3 A @230 V AC

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Wiring diagrams



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







Type 7H.51.0050 Screw terminal











Outline drawings

Type 7H.51.0100 Screw terminal



Type 7H.51.0150 Screw terminal



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Types 7H.51.0250 / 0400 Push-in terminal





