

## FAST SERIES

The heaters of the FAST series are made from Aluminum to maximize heat transfer and utilize PTC in the heating process.

PTC thermistors are designed to maintain their temperature, keeping heaters constantly stable.

The FAST series is "Safety Touch" because all heaters are equipped with a temperature switch used to limit the maximum surface temperature to 70°C in all operative conditions.

On request FAST heaters can be equipped with an auxiliary contact to monitor the proper operation of the unit.

The heaters are equipped with spring-loaded terminals for quick connection.

All the heaters are designed according to IEC EN 60335-1 standard and applicable for industrial use only.



### TECHNICAL DATA:

Heating power	100 - 150W
Voltage supply	110 - 230 Vac-dc
Voltage insulation	2000V* @ 50Hz, 1 min
Heating element	PTC
Heat sink / Plastics material	Al 6061 / UL94 V0
Protection class	I- IEC 60335-1
Protection degree	IP20
Max surface temperature	70 °C**
Operating temperature	-10 +60 °C
Storage temperature	-20 +70 °C
Max wire section	2.5 mm <sup>2</sup>
Mounting	35mm DIN rail

\* available also @2500V as option

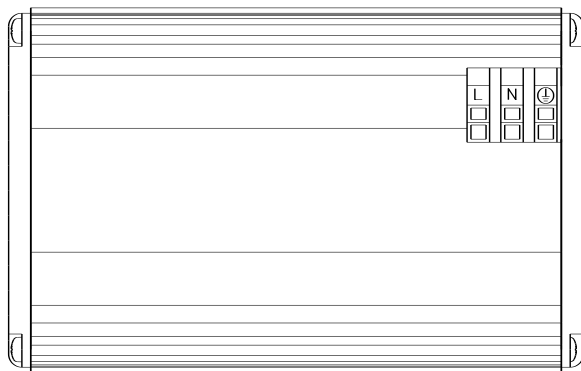
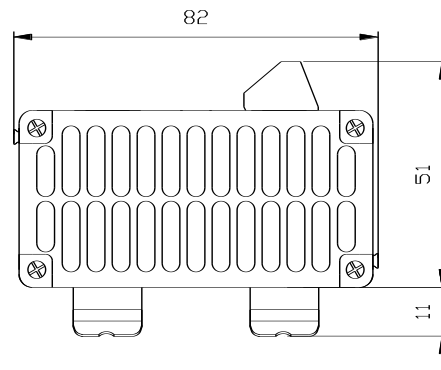
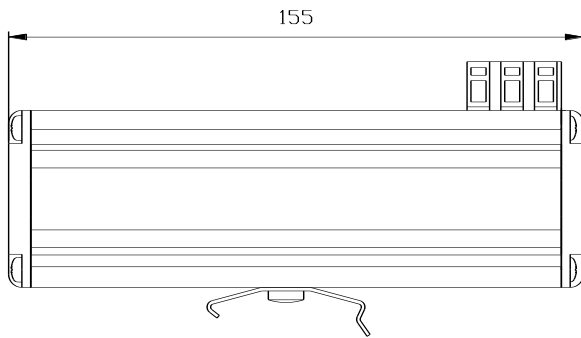
\*\* in all operative conditions

Aux contact (optional)	1NC
Max switch current / cycles	5A / 6.000

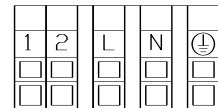
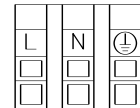
### MODELS

Type	u.m.	F2100	F2150
Heating	W	100	150
Dimensions LxHxD	mm	155x82x51	155x82x51
Weight	kg	0,4	0,5
In rush current	A	3,0-3,5	4,0-5,0
Protection fuse	A	2	4

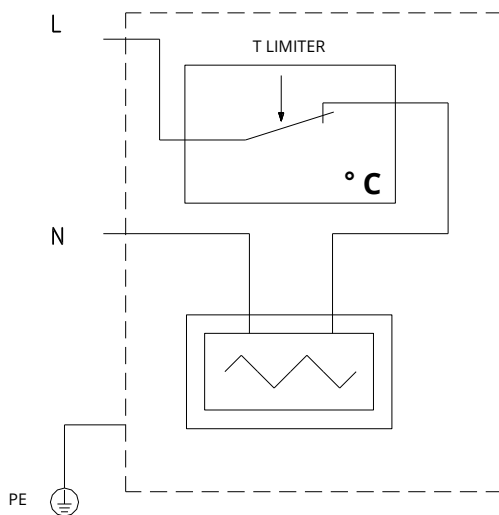
DRAWINGS



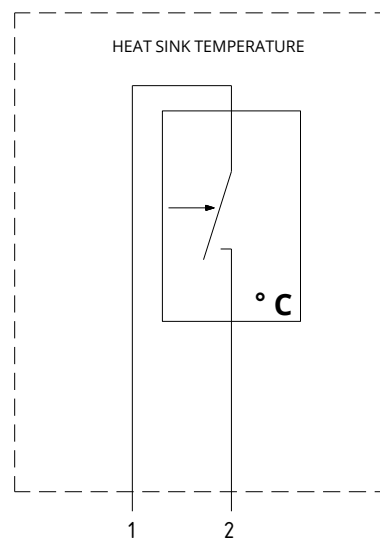
TERMINAL BLOCKS



ELECTRICAL CIRCUIT



AUXILIARY CONTACT



EXPERT'S TIPS

- Place the heater in the lower part of the enclosure, to favor the thermal convection.
- Keep a safe distance of at least 150mm between the heater and electrical devices.
- Visually check that the heater is not closed in a niche or obstructed by other components, in order to uniformly distributed the heat.
- Avoid any possible contact between the heater and wiring cables.