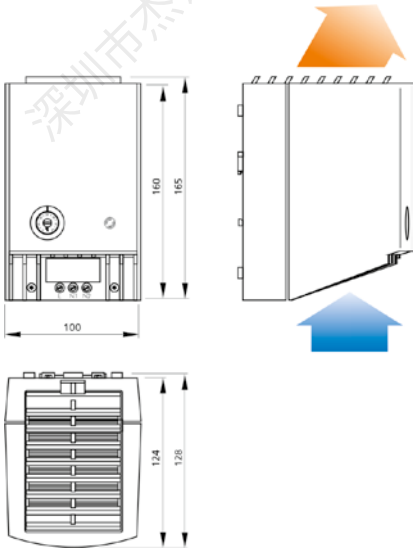
SEMICONDUCTOR FAN HEATER

CR 027 | up to 650 W

- > Compact heater
- > Integrated thermostat
- > Clip fixing
- > Optical indicator
- > Temperature safety cut-out

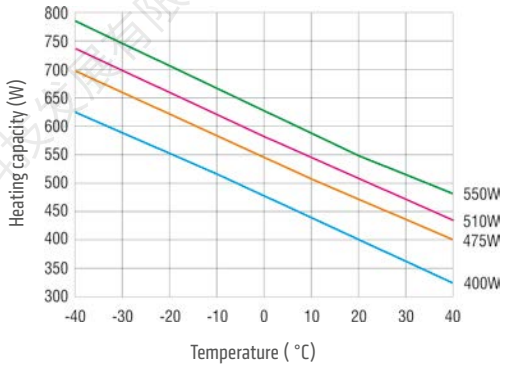
Semiconductor fan heater prevents formation of condensation and frost and provides an evenly distributed interior air temperature in enclosures with electric/electronic components. The integrated thermostat is used to set the desired temperature.



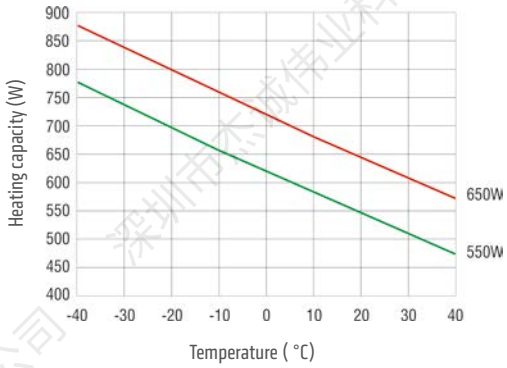
TECHNICAL DATA

Heating element	PTC resistor – temperature limiting
Temperature safety cut-out	to protect against overheating in case of fan failure, automatic reset
Axial fan, ball bearing	airflow see table service life 50,000 h at +25 °C (+77 °F)
Connection	2-pole clamp 2.5 mm², clamping torque 0.8 Nm max
Casing	plastic according to UL94 V-0, light grey
Optical indicator	thermostat control lamp
Mounting	clip for 35 mm DIN rail, EN 60715
Fitting position	vertical airflow (air outlet up)
Dimensions	100 x 128 x 165 mm
Operating/Storage temperature	-45 to +70 °C (-49 to +158 °F)
Operating/Storage humidity	max. 90 % RH (non-condensing)
Protection type/Protection class	IP20 / II (double insulated)
Approvals	VDE, UL File No. E204590, EAC

Heating capacity / Ambient temperature diagram
CR 027 (50 Hz)



Heating capacity / Ambient temperature diagram
CR 027 (60 Hz)



Art. No.	Operating voltage	Heating capacity[1] (50 Hz)	Heatig capacity[1] (60 Hz)	Inrush current max.	Recommended pre-fuse T (time-delay)	Airflow, free flow	Setting range thermostat[2]	Weight (approx.)
02700.0-00	AC 220 – 240 V, 50/60 Hz	475 W	550 W	11.0 A	10.0 A	35 m³/h	0 to +60 °C	0.9 kg
02701.0-00	AC 220 – 240 V, 50/60 Hz	550 W	650 W	13.0 A	10.0 A	45 m³/h	0 to +60 °C	1.1 kg
02700.9-00	AC 100 – 120 V, 50/60 Hz	400 W	550 W	14.0 A	10.0 A	35 m³/h	+32 to +140 °F	0.9 kg
02701.9-00	AC 100 – 120 V, 50/60 Hz	510 W	650 W	15.0 A	10.0 A	45 m³/h	+32 to +140 °F	1.1 kg

[1] at +20 °C (+68 °F) ambient temperature; [2] Switch temperature difference 7 K (±4 K tolerance)