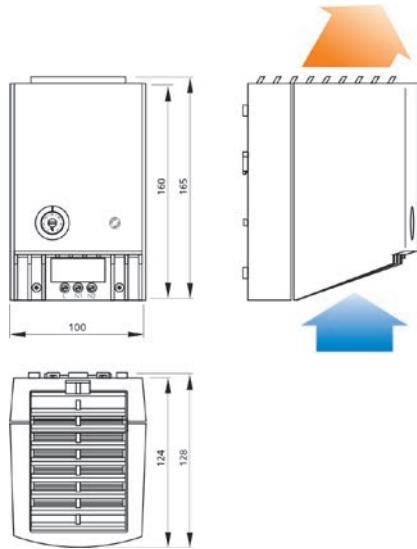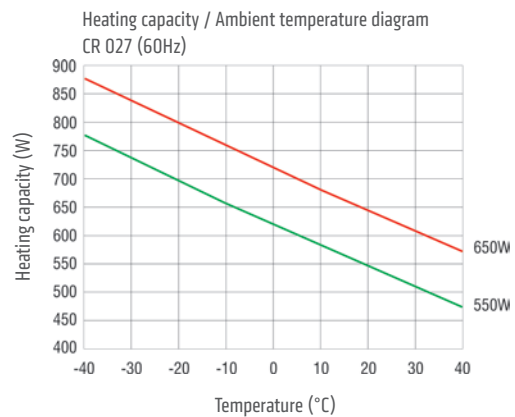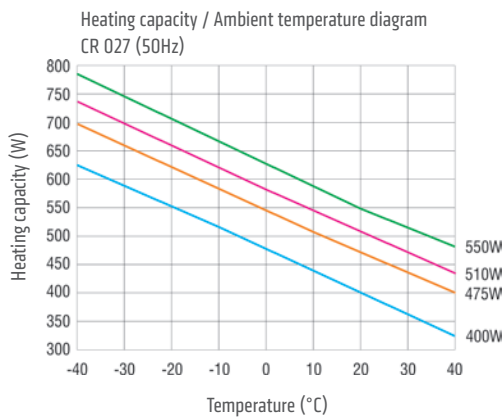# SEMICONDUCTOR FAN HEATER

CR 027 | up to 650W

> 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 50,000h at +25°C (+77°F)
Connection	2-pole clamp 2.5mm², clamping torque 0.8Nm max
Casing	plastic according to UL94 V-0, light grey
Optical indicator	thermostat control lamp
Mounting	clip for 35mm DIN rail, EN 60715
Fitting position	vertical airflow (air outlet up) – other fitting positions possible
Dimensions	100 x 128 x 165mm
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 (50Hz)

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

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	220-240VAC, 50/60Hz	475W	550W	11.0A	10.0A	35m³/h	0 to +60°C	0.9kg
02701.0-00	220-240VAC, 50/60Hz	550W	650W	13.0A	10.0A	45m³/h	0 to +60°C	1.1kg
02700.9-00	100-120VAC, 50/60Hz	400W	550W	14.0A	10.0A	35m³/h	+32 to +140°F	0.9kg
02701.9-00	100-120VAC, 50/60Hz	510W	650W	15.0A	10.0A	45m³/h	+32 to +140°F	1.1kg

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