

PTC HEATER

STANDARD FEATURES

Compact heater in PTC technology

- Maintains minimum operating temperatures in enclosures
- Helps to prevent failure of electronic components caused by condensation and corrosion

Heating power adjusts to ambient temperature

Push connectors for quick and easy wiring

DIN rail mountable



Model Number	Rated Power*	Rated Current	Max. Current**	Length (L)	Weight
120-240VAC					
KSEH15	15W	0.08A	1.5A	2.6"/65 mm	0.66 lbs (0.3 kg)
KSEH30	30W	0.15A	3.0A	2.6"/65 mm	0.66 lbs (0.3 kg)
KSEH45	45W	0.23A	3.5A	2.6"/65 mm	0.66 lbs (0.3 kg)
KSEH60	60W	0.30A	2.5A	5.5"/140 mm	1.10 lbs (0.5 kg)
KSEH75	75W	0.38A	4.0A	5.5"/140 mm	1.10 lbs (0.5 kg)
KSEH100	100W	0.50A	4.5A	5.5"/140 mm	1.10 lbs (0.5 kg)
KSEH150	150W	0.75A	9.0A	8.7"/220 mm	1.76 lbs (0.8 kg)



12-36VDC	Rated Power*	Rated Current	Max. Current**	Length (L)	Weight
K7SEH15	15W	0.63A	9A	2.6"/65 mm	0.66 lbs (0.3 kg) ▼
K7SEH30	30W	1.25A	14A	2.6"/65 mm	0.66 lbs (0.3 kg) ▼
K7SEH45	45W	1.88A	8A	2.6"/65 mm	0.66 lbs (0.3 kg) ▼
K7SEH60	60W	2.50A	10A	5.5"/140 mm	0.88 lbs (0.4 kg) ▼
K7SEH75	75W	3.13A	14A	5.5"/140 mm	1.10 lbs (0.5 kg) ▼
K7SEH100	100W	4.17A	16A	5.5"/140 mm	1.10 lbs (0.5 kg) ▼
K7SEH150	150W	6.25A	23A	8.7"/220 mm	1.65 lbs (.75 kg) ▼

Find additional information on this model at kooltronic.com, or use the Technical Documents QR code below.

Technical Documents



* At 68°F (20°C) ambient temperature

** Inrush current

▼ Not CUR-US or VDE Approved

TECHNICAL DATA

Operating voltage: AC: 120 - 240V / DC: 12 - 36VDC (other voltages also available)

Heating element: PTC resistor, self-regulating

Heating body: Anodized extruded aluminum

Protection class: I, test voltage 1600 V

Protection type: IP 20

Connection: Push-type terminals for stranded and solid wire 3 x AWG 20-16 (0.5-1.5 mm²)

Mounting: Clip for 35 mm DIN rail (EN 50022)

Determining the required heater size:

$$P_H = (A \times \Delta T \times k) - P_V$$

P_H = Required heating power for your application in Watts (W)

P_V = Heating power generated by existing components (e.g. a transformer) in Watts (W)

A = Exposed enclosure surface area in square meters (m²)

ΔT = Temperature differential between the desired minimum interior temperature and the lowest possible external temperature of the enclosure in Kelvin (K), 1.8°F = 1°C = 1K

k = Heat transmission coefficient of the enclosure material used:

Painted steel: 5.5W/m²K

Stainless steel: 3.7W/m²K

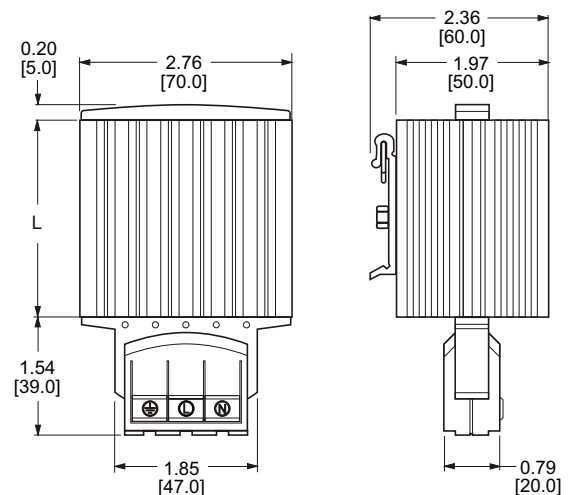
Aluminum: 12W/m²K

Polyester/Plastic: 3.5W/m²K

For outdoor applications it is recommended to double the heating power.

DRAWINGS

Dimensions, inches [mm], are for reference only and are subject to change.



Applications:

- Electrical & Electronic enclosures
- Telecommunications systems
- Display panels
- Automatic teller machines (ATM's)
- Access & Parking control systems
- Ticket dispensers



HOW TO ORDER

Specify model number.