



KFEHK 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
DIN rail mountable



Model Number	Power*	Rated Current	Length (L)	Weight
110-250VAC				
KFEHK45	45W	0.20A	4.1"/105 mm	0.61 lbs (280 g)
KFEHK100	100W	0.47A	6.1"/155 mm	0.88 lbs (400 g)
KFEHK150	150W	0.77A	9.1"/230 mm	1.30 lbs (590 g)

* At 68°F (20°C) ambient temperature



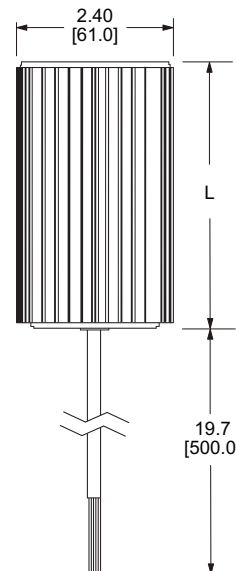
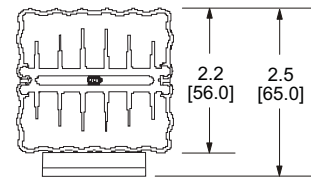
KFEHK Heaters are UL approved when used in conjunction with a KFST Thermostat.

TECHNICAL DATA

Operating voltage:	AC/DC 110 - 250 V (other voltages also available)
Heating element:	PTC resistor, self-regulating
Heating body:	Anodized extruded aluminum
Protection class:	I, appliance
Protection type:	IP 44
Mounting:	Clip for 35 mm DIN rail (EN 50022)

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

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

Technical Documents



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.

HOW TO ORDER

Specify model number.

Specifications are subject to change without notice. Suitability of this product for its intended use and any associated risks must be determined by the end customer/buyer in its final application.

kfeh.k.qxd (1/8/21) (CDR: 20293)