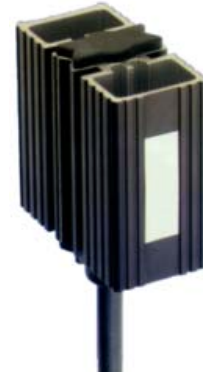




SMALL PTC HEATER

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 No.	Voltage	Power*	Max. Amps**	Length	VDE	CUR/US
KSEHK10	110-120 VAC	10W	1.0A	2.0" (50 mm)		✓
KSEHK20	110-120 VAC	20W	1.5A	2.8" (70 mm)		✓
KSEHK30	110-120 VAC	30W	1.5A	4.0" (100 mm)		✓
K2SEHK10	140-240 VAC	10W	1.0A	2.0" (50 mm)	✓	
K2SEHK20	140-240 VAC	20W	2.5A	2.4" (60 mm)	✓	
K2SEHK30	140-240 VAC	30W	3.0A	2.8" (70 mm)	✓	

* at 68°F (20°C) ambient temperature.

** Inrush



TECHNICAL DATA

Heating element:	PTC resistor, self regulating
Heat sink:	Anodized extruded aluminum
Protection class:	I (grounded)
Protection type	IP 54
Connection:	3 x AWG 20 (0.5 mm ²), 12" (300 mm) length
Mounting:	Clip for 35 mm DIN rail (EN 50022)
Weight (approx.):	4 oz. (120g)

Applications:

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

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:

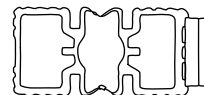
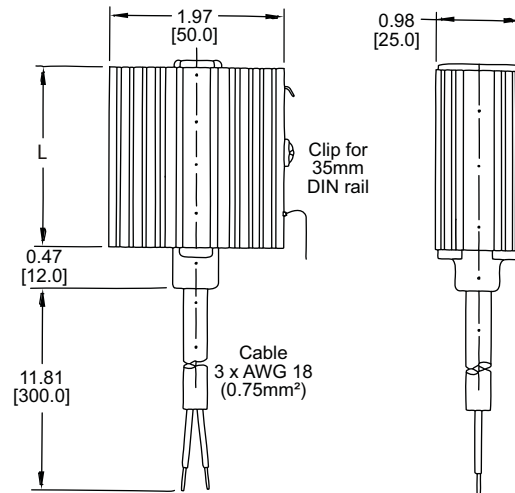
Painted steel:	5.5W/m ² K
Stainless steel:	3.7W/m ² K
Aluminum:	12W/m ² K
Polyester/Plastic:	3.5W/m ² K

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



DRAWINGS

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



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

Technical Documents



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.

ksehk.qxd (1/8/21) (CDR: 20293)