

## HEATING ELEMENT 10-30W - HGK 047

HGK

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HGK 047 10W Heater with cable, 110-120V ac/dc, UL approved

- Dynamic heating (PTC element)
- Compact
- Energy saving
- Quick connector for DIN rail



### PRODUCT DESCRIPTION

The heat source in the element consists of a PTC element – a semi-conductor that adapts its output to the ambient temperature.

The PTC element has a high starting current and provides full output almost immediately. The current then falls quickly and the element is thereafter self-regulating, meaning that the warmer the surroundings, the less output produced by the element.

Thanks to the chimney effect, meaning that the colder air is drawn into the element's bottom and discharged at the top, good self-circulation is achieved for the heated air.

The heating element is best installed in smaller cabinets so as avoid condensation or that the temperature falls beneath the minimum level.

## TECHNICAL DATA

### GENERAL DATA

Heat output	10 W
Nominal voltage	120 V AC/DC
Heater body	Anodized aluminum
Mounting	DIN-rail
Connection type	3 x AWG 20 (0.5 mm <sup>2</sup> ), 12" length
Heat source	Self-regulating PTC-element
Starting current max	1 A
Recommended fuse (slow blow)	2 A

DIMENSIONS

Height	50 mm
Width	25 mm
Depth	50 mm
Weight	0.1 kg
Cable length	300 mm

SAFETY & APPROVALS

Protection class	I (earthed)
IP class	IP44
Approvals	CE, EAC, Gost R, RoHS, UL E150057

RATED OPERATING CONDITIONS

Operational temperature	-45°C ... +70°C
Storage temperature	-45°C ... +70°C
Operating humidity	< 90% RH
Humidity storage	<90% RH
Voltage min	110 V ac/dc
Voltage max	120 V ac/dc

