

## HEATING ELEMENT 10-30W - HGK 047

HGK

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HGK 047 10W Heater with cable, 12-36V ac/dc

- 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

Nominal voltage	12-36 V AC/DC
Connection type	3 x AWG 20 (0.5 mm <sup>2</sup> ), 12" length
Starting current max	1 A
Heat output	10 W
Heater body	Anodized aluminum

#### DIMENSIONS

Weight	0,1 kg
Depth	50 mm

<b>Cable length</b>	300 mm
<b>Width</b>	25 mm
<b>Height</b>	50 mm

## SAFETY & APPROVALS

<b>IP class</b>	IP44
<b>Protection class</b>	I (earthed)
<b>Approvals</b>	CE, EAC, Gost R, RoHS

## RATED OPERATING CONDITIONS

<b>Operational temperature</b>	-45°C ... +70°C
<b>Storage temperature</b>	-45°C ... +70°C
<b>Humidity storage</b>	<90% RH
<b>Operating humidity</b>	< 90% RH
<b>Voltage min</b>	12 V ac/dc
<b>Voltage max</b>	36 V ac/dc

