

HEATING ELEMENT 10-30W - HGK 047

HGK

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HGK 047 20W 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

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

DIMENSIONS

| | |
|--------|-------|
| Height | 70 mm |
| Width | 25 mm |

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|--------------|--------|
| Depth | 50 mm |
| Weight | 0.2 kg |
| Cable length | 300 mm |

SAFETY & APPROVALS

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|------------------|-----------------------|
| Protection class | I (earthed) |
| IP class | IP44 |
| Approvals | CE, EAC, Gost R, RoHS |

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 | 12 V ac/dc |
| Voltage max | 36 V ac/dc |

