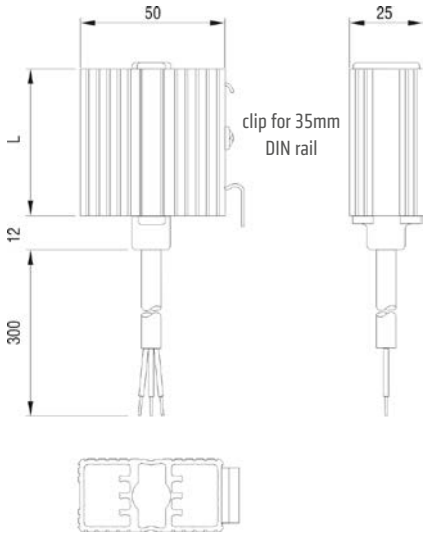
SMALL SEMICONDUCTOR HEATER

HGK 047 | 10 W to 30 W



- > Dynamic heating up
- > Energy saving
- > Wide voltage range
- > Clip fixing

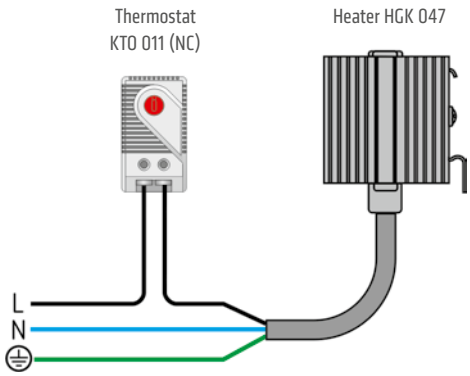
The heaters are used in enclosures where condensation is to be prevented or the temperature may not fall below a minimum value. In this way corrosion is avoided and an even temperature is ensured. The heaters are designed for permanent operation.



TECHNICAL DATA

Heating element	PTC resistor – temperature limiting
Heater body	extruded aluminium profile, anodised
Mounting	clip for 35mm DIN rail, EN 60715
Fitting position	vertical airflow (air outlet up, connection on bottom)
Operating/Storage temperature	-45 to +70 °C (-49 to +158 °F)
Operating/Storage humidity	max. 90 % RH (non-condensing)
Protection type/Protection class	IP44 / I (earthed)
Accessoires	screw fixing, Art. No. 09024.0-00 (1 packing unit = 2 pieces)
Note	other voltages on request

Example of connection



Art. No.	Operating voltage	Heating capacity[1]	Inrush current max.	Recommended pre-fuse T (time-delay)	Length (L)	Weight (approx.)	Connection	Approvals	
04700.0-00	AC/DC 120 – 240 V[2]	10 W	1.0 A	2.0 A	52 mm	0.1 kg	3 x 0,5 mm² x 300 mm cable (silicone)	VDE	EAC
04701.0-00	AC/DC 120 – 240 V[2]	20 W	2.5 A	4.0 A	60 mm	0.2 kg	3 x 0,5 mm² x 300 mm cable (silicone)	VDE	EAC
04702.0-00	AC/DC 120 – 240 V[2]	30 W	3.0 A	4.0 A	70 mm	0.2 kg	3 x 0,5 mm² x 300 mm cable (silicone)	VDE	EAC
04700.9-00	AC/DC 110 – 120 V	10 W	1.0 A	2.0 A	52 mm	0.1 kg	3 x AWG 20 x 300 mm cable	UL File No. E150057	EAC
04701.9-00	AC/DC 110 – 120 V	20 W	1.5 A	2.0 A	70 mm	0.2 kg	3 x AWG 20 x 300 mm cable	UL File No. E150057	EAC
04702.9-00	AC/DC 110 – 120 V	30 W	1.5 A	2.0 A	100 mm	0.2 kg	3 x AWG 20 x 300 mm cable	UL File No. E150057	EAC

[1] at +20 °C (+68 °F) ambient temperature, [2] (min. 110 V, max 265 V) Operating with voltages below AC/D 140 V reduces heating performance by approx. 10 %.

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19.03.2019 | Specifications are subject to change without notice. Errors and omissions excepted. Suitability of this product for its intended use and any associated risks must be determined by the end customer/buyer in its final application.

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02820.0-09 03092.1-12 03500.0-01 06012.0-00 16402.0-00 01662.0-00 02810.9-00 16403.0-00
03051.0-00 16504.0-00 01011.0-41 01230.1-00 02820.0-11 16400.0-00 01245.9-00 01874.0-31
02810.9-01 244356 06401.0-00 16501.0-00 264057 28401.0-00 28420.0-00 01420.2-00 08635.0-00
244447 02540.1-00 02811.9-01 04641.0-00 11871.0-00