

# UCS HS-HH 145-125 AL - Heatsink

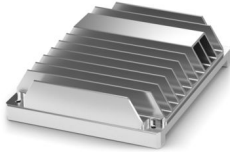


1481698

<https://www.phoenixcontact.com/us/products/1481698>

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Heatsink for housing series: UCS, type: Half shell, material: Aluminum, anodized, width: 94.8 mm, height: 114.8 mm, Milling of the housing half-shell is required.



## Your advantages

- Heatsink solutions enable devices to be used in thermally demanding applications
- Optimal thermal path for reliable heat dissipation
- Custom-tailored to various hot spots
- Heatsink solutions can be used in a variety of housing sizes
- Made-to-fit system solutions with mounting materials

## Commercial data

Item number	1481698
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AC03
Product key	ACFCAG
GTIN	4063151900731
Weight per piece (including packing)	297.3 g
Weight per piece (excluding packing)	270 g
Customs tariff number	76169990
Country of origin	CN

## Technical data

### Notes

Assembly note	Milling of the housing half-shell is required.
General	Please observe the application note in the download area.
General	Individual milling possible.
Order information:	Mounting screws are supplied as standard.
Recommendation	Further information and detailed dimensions are available in the download area.

### Product properties

Product type	Heatsink
Housing type	Heatsink
Housing type	Universal housings
Housing series	UCS
Ventilation openings present	no

### Dimensions

Width	94.8 mm
Height	114.8 mm
Depth	28 mm

### Material specifications

Color (Housing)	aluminum color
Material	Aluminum
Surface characteristics	anodized

### Environmental and real-life conditions

#### Vibration test

Specification	IEC 60068-2-6:2007-12
Frequency	10 - 150 - 10 Hz
Sweep speed	1 octave/min
Amplitude	0.15 mm (10 Hz ... 58.1 Hz)
Acceleration	2g (58.1 Hz ... 150 Hz)
Test duration per axis	2.5 h
Test directions	X-, Y- and Z-axis

#### Shocks

Specification	IEC 60068-2-27:2008-02
Pulse shape	Semi-sinusoidal
Acceleration	15g
Shock duration	11 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)

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## Test for substances that would hinder coating with paint or varnish

Specification	VDMA 24364:2018-05
Result	Test passed

## Ambient conditions

Max. IP code to attain	IP40
Ambient temperature (storage/transport)	-40 °C ... 55 °C
Ambient temperature (assembly)	-5 °C ... 100 °C

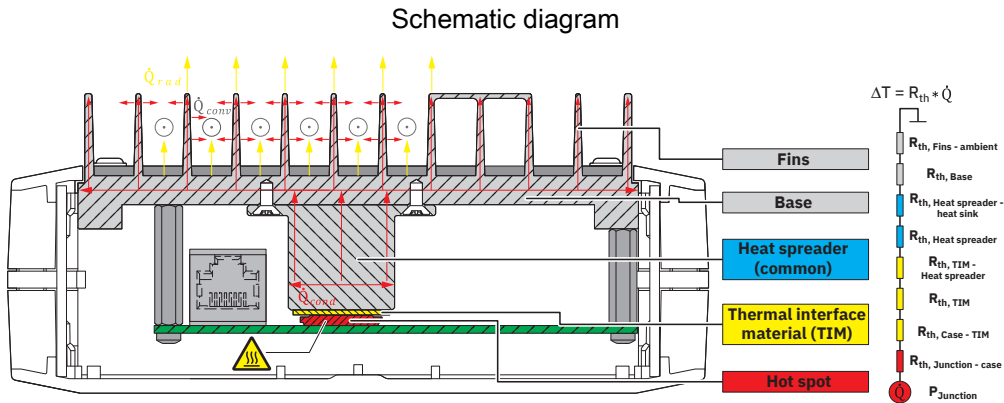
## Mounting

Mounting type	Screw mounting
Mounting position	any
Tightening torque	0.8 Nm ... 1 Nm

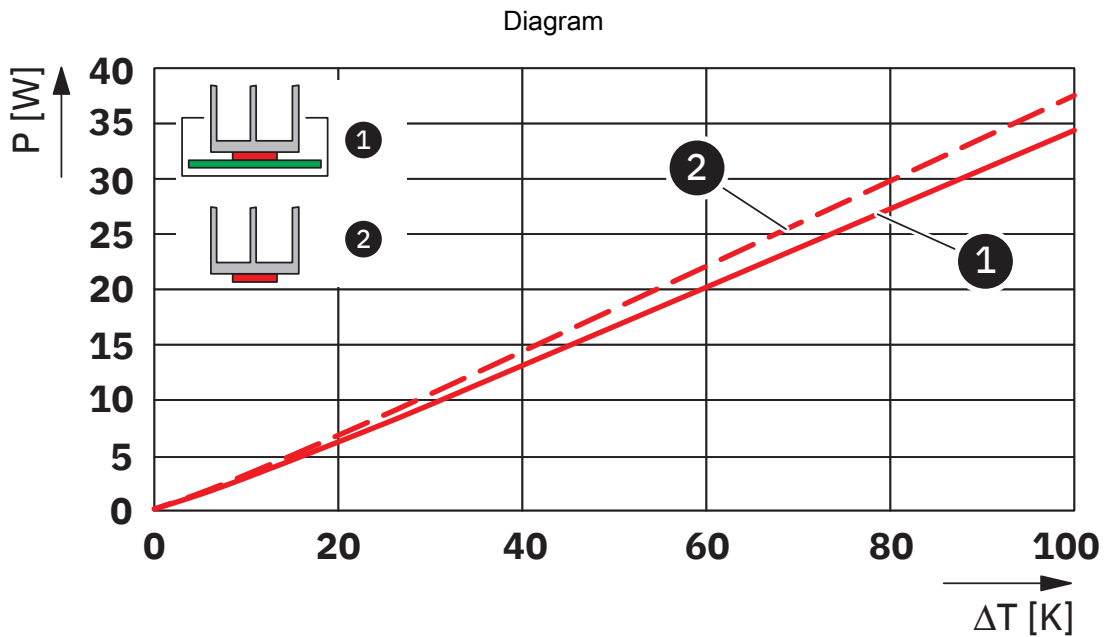
## Packaging specifications

Type of packaging	Box packaging
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## Drawings



The thermal path in an electronics housing system

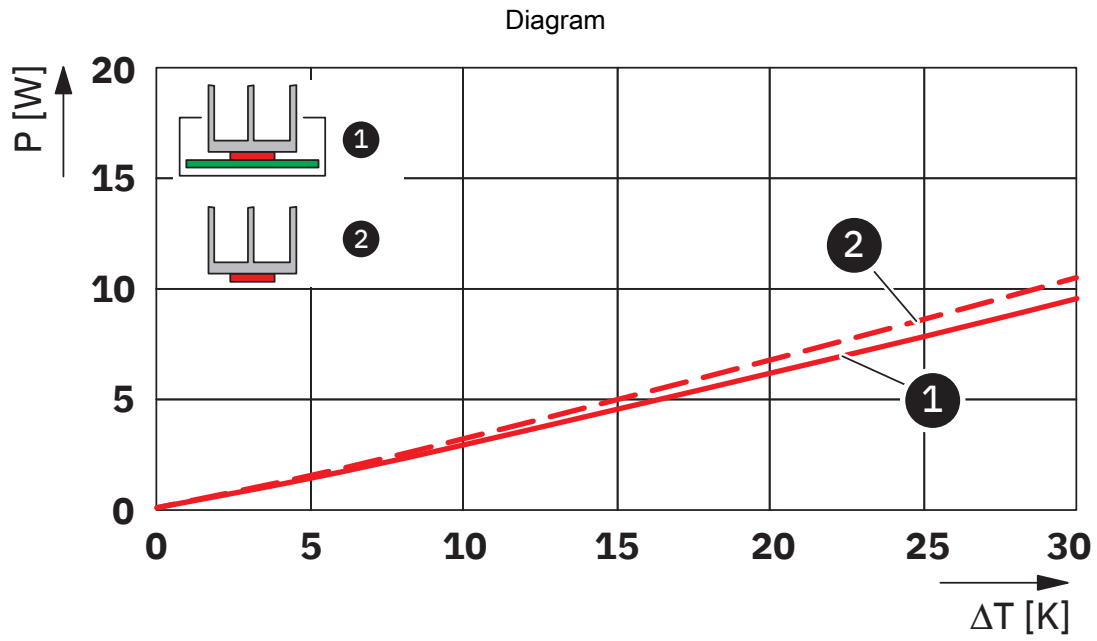


Power dissipation diagram for 0 K ... 100 K

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Power dissipation diagram for 0 K ... 30 K

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## Classifications

### ECLASS

ECLASS-13.0	27260501
ECLASS-15.0	27260501

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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)