

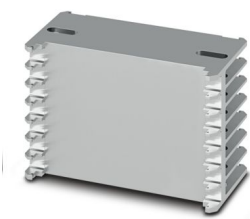
# ICE50-R100X67-A1 - Heatsink



1118306

<https://www.phoenixcontact.com/us/products/1118306>

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Heatsink for housing series: ICS, material: Aluminum, anodized, product range: ICS50-..100X..., width: 67.4 mm, height: 50.1 mm, Individual milling possible.

## Your advantages

- Heatsinks enable the finished devices to be used in thermally demanding applications
- Extensive thermal simulations help achieve the optimum arrangement of components on the printed circuit board
- Customized heatsinks for reliable heat dissipation
- Simplified engineering process: all the services needed for your specific device design
- Tailored system solution comprised of a housing, connection technology, heatsink, and additional accessories

## Commercial data

Item number	1118306
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	AC09
Product key	ACHAEF
GTIN	4063151046705
Weight per piece (including packing)	325.7 g
Weight per piece (excluding packing)	249.67 g
Customs tariff number	76169990
Country of origin	CN

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## Technical data

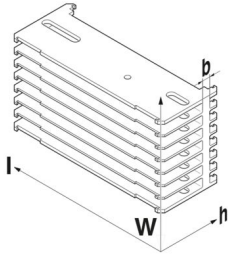
### Notes

General	Individual milling possible.
General	Refer to the data sheet for the range in the download area.
General	The $R_{th}$ diagram shows the application, free-hanging (vertical) in the direction of flow.

### Product properties

Product type	Heatsink
Housing type	Heatsink
Housing series	ICS
Product family	ICS50-..100X..

### Dimensions

Dimensional drawing	
Width	67.4 mm
Height	50.1 mm
Length	105 mm
Base panel thickness [b]	5.8 mm

### Material specifications

Color	aluminum color
Color (Housing)	aluminum
Material	Aluminum
Surface characteristics	anodized
Thermal resistance $R_{th}$	1.58 K/W (At $\Delta T$ 65 K for ambient temperature)
	2.91 K/W (At $\Delta T$ 5 K for ambient temperature)

### 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)

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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.)

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

Specification	VDMA 24364:2018-05
Result	Test passed

## Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 55 °C
Ambient temperature (assembly)	-5 °C ... 100 °C

## Mounting

Mounting type	Slot
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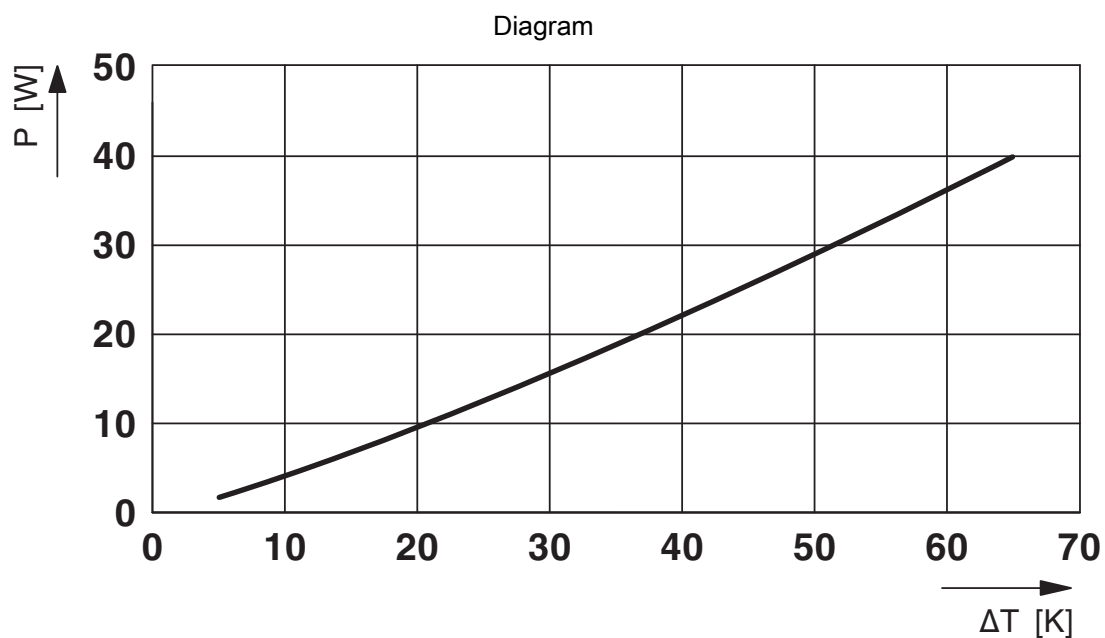
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## Drawings



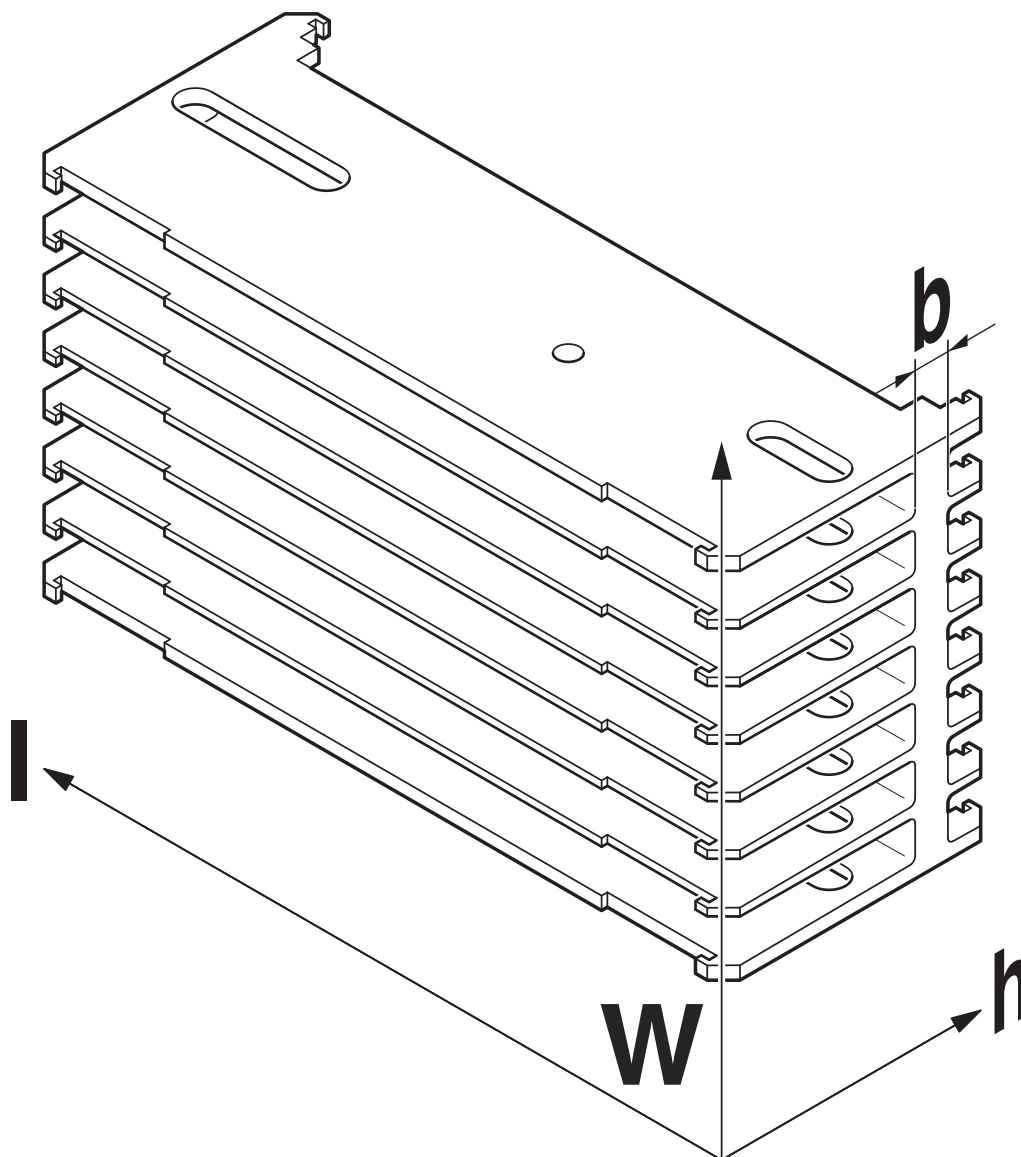
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Dimensional drawing



Schematic figure for illustrating the item dimensions. The figure is not of the desired product. For further details, refer to the product drawings in the "Downloads" tab.

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## Classifications

### ECLASS

ECLASS-11.0	27260501
ECLASS-12.0	27260501
ECLASS-13.0	27260501

### ETIM

ETIM 9.0	EC001143
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### UNSPSC

UNSPSC 21.0	32131000
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## Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
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)