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Heat expansion element for housing series: UCS, type: Heat expansion element, material: Aluminum, anodized, width: 67 mm, Additional machining is required to attach the heat expansion element to the heatsink.

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	1481703
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	ACFCAG
Product key	ACFCAG
GTIN	4063151900199
Weight per piece (including packing)	185.5 g
Weight per piece (excluding packing)	171 g
Country of origin	CN

UCS HSP 50-25 AL - Heat expansion element



1481703

<https://www.phoenixcontact.com/gb/products/1481703>

Technical data

Notes

Assembly note	Additional machining is required to attach the heat expansion element to the heatsink.
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.
General	We recommend the use of an application-specific TIM material (Thermal Interface Material).

Product properties

Product type	Heatsink
Housing type	Heatsink
Housing series	UCS
Type	Heat expansion element

Dimensions

Width	67 mm
Depth	25 mm
Length	50 mm

Material specifications

Color	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

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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	Screw mounting
Mounting position	any
Tightening torque / speed	Screw connection to the heatsink: 0.8 Nm-1 Nm / 500 rpm-1000 rpm

Packaging specifications

Type of packaging	Box packaging
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Classifications

ECLASS

ECLASS-13.0	27260501
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ETIM

ETIM 9.0	EC001143
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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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