

ICS50-B122X98-V-V-5015 - Mounting base housing



1076907

<https://www.phoenixcontact.com/us/products/1076907>

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DIN rail housing, Lower housing part with metal foot catch, Level 1: with vents, width: 50.1 mm, height: 122.5 mm, depth: 108.35 mm, color: blue (similar RAL 5015), cross connection: DIN rail bus connector (optional), number of positions cross connector: 8

Your advantages

- Flexible use, thanks to the modular system and unique modularity in the connection technology
- Standardized connections such as RJ45, USB, D-SUB and antenna sockets as components that can be integrated
- Optimal space utilization, as well as adaptability of design, colors, and printing
- Eight-position DIN rail connectors with parallel and up to two serial contacts for easy module-to-module communication

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1076907 |
| Packing unit | 5 pc |
| Minimum order quantity | 5 pc |
| Sales key | AC09 |
| Product key | ACHAEB |
| GTIN | 4055626785653 |
| Weight per piece (including packing) | 80.16 g |
| Weight per piece (excluding packing) | 58.2 g |
| Customs tariff number | 85389099 |
| Country of origin | DE |

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Technical data

Notes

| | |
|----------------|---|
| Assembly note | Please observe the application note in the download area. |
| Recommendation | Material of contact pads for bus connector, galvanic gold (hard gold) |

Product properties

| | |
|-----------------------------------|--|
| Product type | Lower housing part |
| Housing type | DIN rail housing |
| Housing type | Modular housings |
| Housing series | ICS |
| Product family | ICS50-..122X.. |
| Max. number of positions | 60 (pitch: 3.5 mm) 48 (pitch: 5 mm) |
| Number of rows | 4 |
| Number (Connection openings) | 12 |
| Ventilation openings present | yes |
| Anzahl der Etagen Housing (Makro) | 3 (Both sides) |

Dimensions

| | |
|--|--|
| Dimensional drawing | |
| Width | 50.1 mm |
| Height | 122.5 mm |
| Depth | 108.35 mm |
| Depth from top edge of DIN rail to support point on upper part | 98.15 mm |
| Dimensions | 50.1 mm x 122.5 mm x 110 mm (Lower housing part from the top edge of the DIN rail with upper housing part) 50.1 mm x 122.5 mm x 116.7 mm (Lower housing part with upper housing part) |

PCB design

| | |
|---------------|-------------------|
| PCB thickness | 1.4 mm ... 1.8 mm |
|---------------|-------------------|

Material specifications

| | |
|--|-----------------|
| Color (Lower housing part) | blue (RAL 5015) |
| Material Lower housing part | PA |
| Flammability rating according to UL 94 | V0 |

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| | |
|----------------------------|-----|
| CTI according to IEC 60112 | 600 |
|----------------------------|-----|

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 |

Glow-wire test

| | |
|------------------|------------------------|
| Specification | IEC 60695-2-11:2014-02 |
| Temperature | 850 °C |
| Time of exposure | 30 s |

Thermal stability / ball thrust test

| | |
|---------------|------------------------|
| Specification | IEC 60695-10-2:2014-02 |
| Temperature | 125 °C |
| Test duration | 1 h |
| Force | 20 N |

Mechanical strength / tumbling barrel

| | |
|----------------|------------------------|
| Specification | IEC 60068-2-31:2008-05 |
| Height of fall | 50 cm |
| Frequency | 50 |

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 |

Degree of protection (IP code)

| | |
|---------------------------------------|---|
| Specification | IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:2013-08 |
| Result, degree of protection, IP code | IP20 |

Ambient conditions

| | |
|---------------------------------|--|
| Max. IP code to attain | IP20 |
| Ambient temperature (operation) | -40 °C ... 105 °C (depending on power dissipation) |

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| | |
|---|------------------|
| Ambient temperature (storage/transport) | -40 °C ... 55 °C |
| Ambient temperature (assembly) | -5 °C ... 100 °C |
| Relative humidity (storage/transport) | max. 80 % |

PCB data

| | |
|-----------------------|-------------------|
| Number of PCB holders | 4 |
| Type of PCB mount | Slot |
| Thickness of the PCB | 1.4 mm ... 1.8 mm |

Mounting

| | |
|---------------|-------------------|
| Mounting type | DIN rail mounting |
|---------------|-------------------|

Packaging specifications

| | |
|----------------------|---------------------|
| Type of packaging | packed in cardboard |
| Outer packaging type | Carton |

Drawings

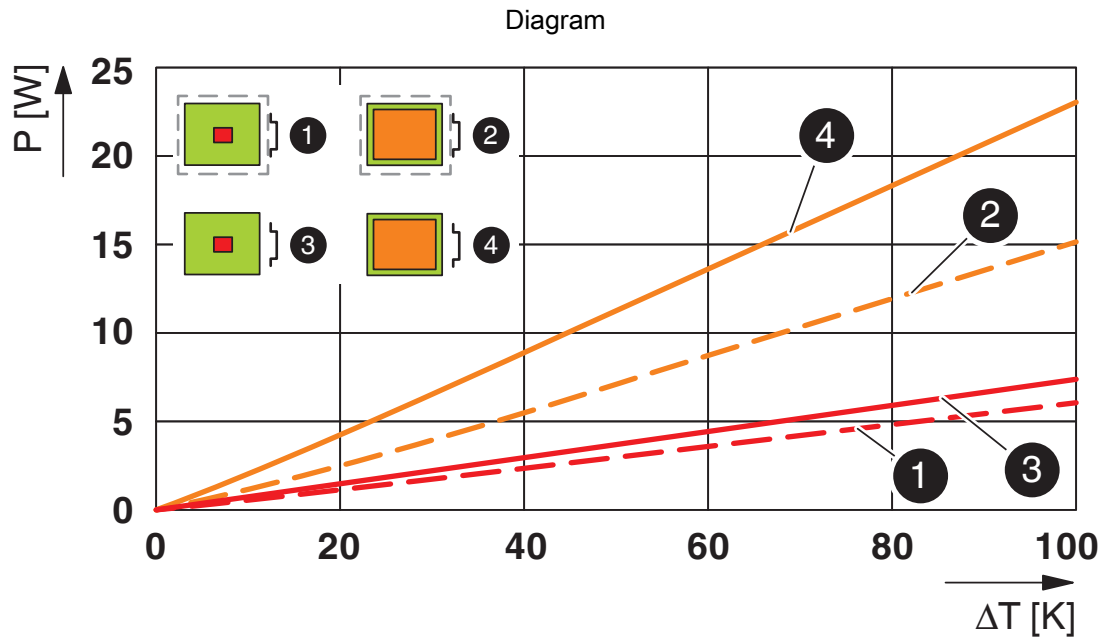
Dimensional drawing



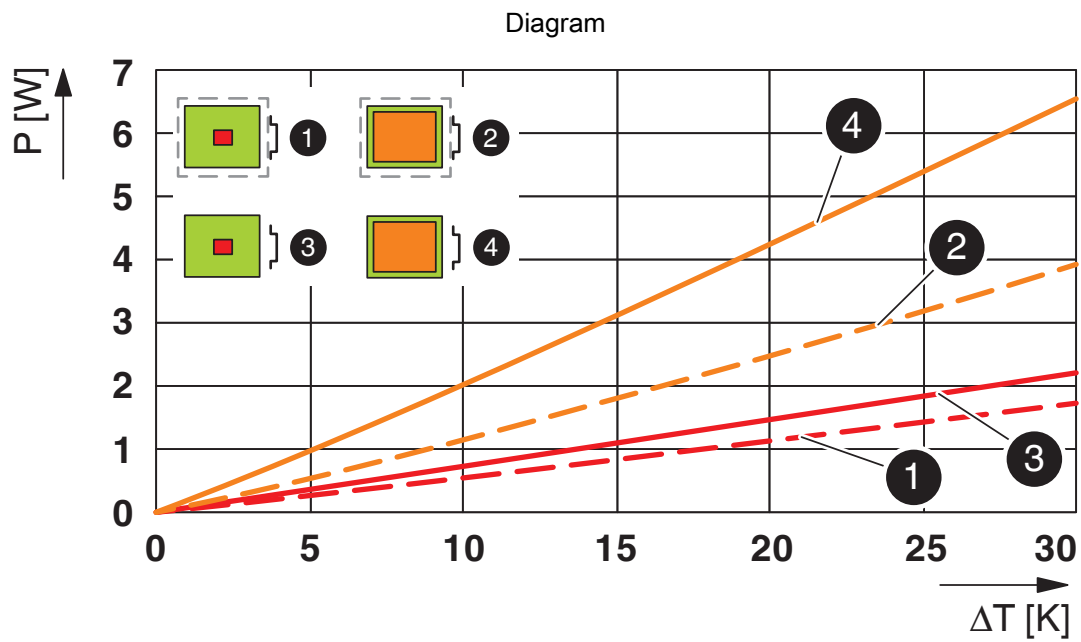
Schematic figure for illustrating the item dimensions. The figure is not of the desired product. For further details, refer to the product drawings in the "Downloads" tab.

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Power dissipation diagram for 0 K ... 100 K



Power dissipation diagram for 0 K ... 30 K

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27190601 |
| ECLASS-15.0 | 27190601 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC002779 |
|-----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 31261500 |
|-------------|----------|

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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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