Mounting base housing - ICS50-B122X98-O-O-5015

1118652

https://www.phoenixcontact.com/us/products/1118652

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DIN rail housing, Lower housing part with metal foot catch, width: 50.1 mm, height: 122.5 mm, depth: 108.35 mm, color: blue (5015), cross connection: DIN rail 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	1118652
Packing unit	1 pc
Minimum order quantity	10 pc
Note	Made to Order (non-returnable)
Sales Key	A13
Product Key	ACHAEB
GTIN	4063151046354
Weight per Piece (including packing)	77.007 g
Weight per Piece (excluding packing)	55.63 g
Customs tariff number	85389099
Country of origin	DE

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1118652

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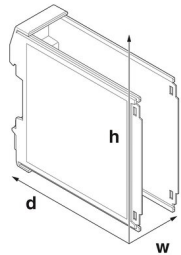
Technical Data

Notes

Assembly instruction:	Refer to the data sheet for the range in the download area.
Recommendation	Material of contact pads for bus connector, galvanic gold (hard gold)

Product properties

Product type	Lower part of the housing
Max. number of positions	64 (pitch: 5 mm)
	80 (pitch: 3.5 mm)
Number of rows	4
Type	Lower housing part with metal foot catch
Housing type	DIN rail housing
Ventilation openings present	no
Housing series	ICS
	4 (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	blue (5015)
Flammability rating according to UL 94	V0
CTI according to IEC 60112	600
Surface characteristics	untreated
Housing material	Polyamide

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 - 58.1 Hz)
Acceleration	2g (58.1 - 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)
Ambient temperature (storage/transport)	-40 °C ... 55 °C

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

PCB data

Number of PCB holders	4
Type of PCB mount	Latching
Thickness of the PCB	1.4 mm ... 1.8 mm

Mounting

Mounting type	DIN rail mounting
Mounting position	Vertical (horizontal DIN rail)

Packaging specifications

Type of packaging	packed in cardboard
Outer packaging type	Carton

Mounting base housing - ICS50-B122X98-O-O-5015

Drawings

Dimensional drawing

h

d

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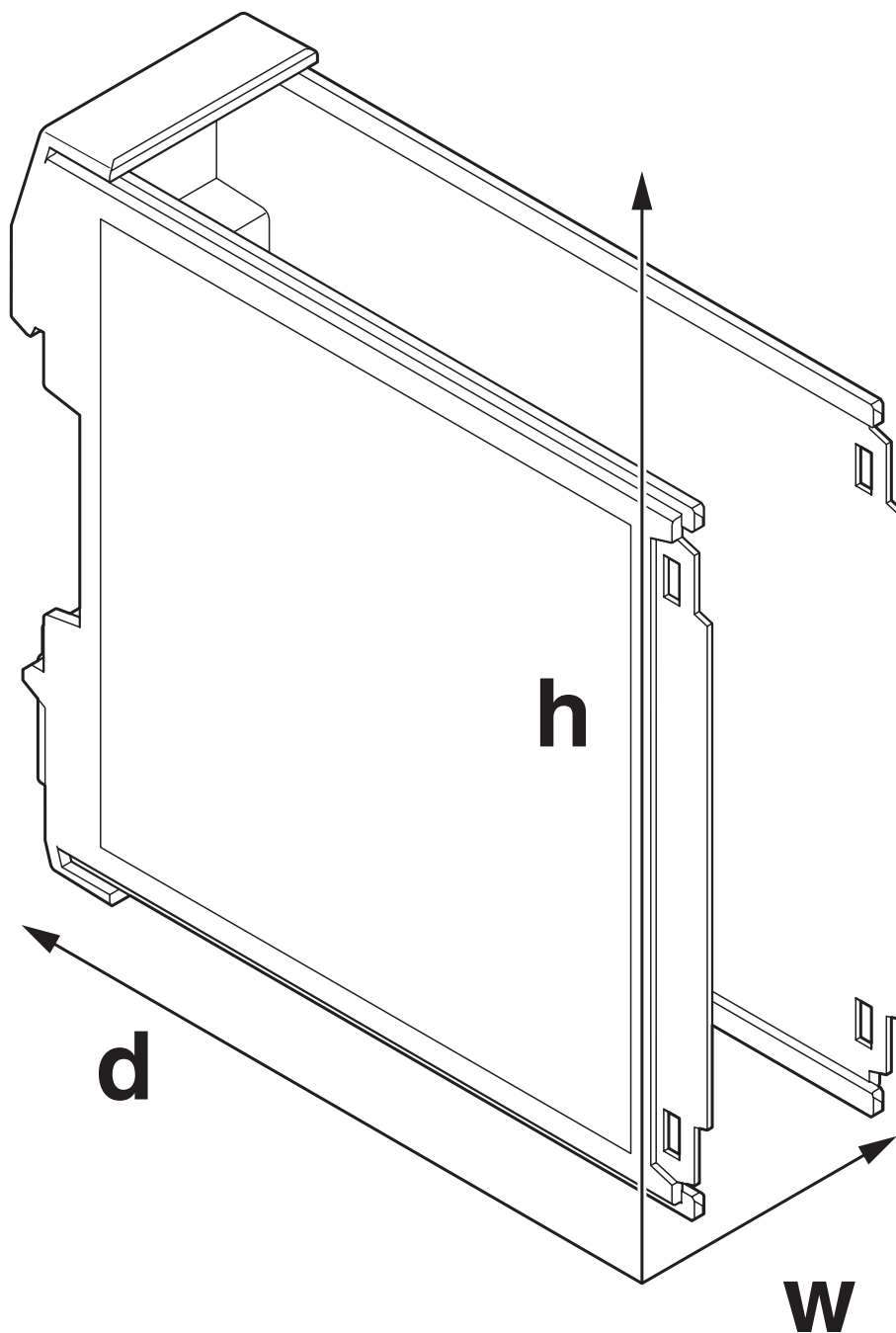
Schematic figure for illustrating the item dimensions. The figure is not of the desired product. For further details, refer to the product drawings in the "Downloads" tab.

Mounting base housing - ICS50-B122X98-O-O-5015

1118652

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Classifications

ECLASS

ECLASS-9.0	27182702
ECLASS-10.0.1	27182702
ECLASS-11.0	27182702

ETIM

ETIM 8.0	EC001031

UNSPSC

UNSPSC 21.0	31261500

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Accessories

Upper part of housing

Upper part of housing - ICS50-C122X12-5015 - 1076904

https://www.phoenixcontact.com/us/products/1076904

DIN rail housing, Upper part, closed, width: 50.1 mm, height: 122.5 mm, depth: 14.35 mm, color: blue (5015)

Upper part of housing

Upper part of housing - ICS50-TL122X12-5015 - 1076903

https://www.phoenixcontact.com/us/products/1076903

DIN rail housing, Upper part, with transparent hinged cover, width: 50.1 mm, height: 123.5 mm, depth: 14.35 mm, color: blue (5015)

Mounting base housing - ICS50-B122X98-O-O-5015

1118652

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PCB header

PCB header - ICC25-H/4L5,0-7035 - 2203902

https://www.phoenixcontact.com/us/products/2203902

PCB headers, nominal cross section: 2.5 mm^2, color: light grey, nominal current: 16 A, rated voltage (III/2): 320 V, type of contact: Male connector, number of potentials: 4, number of rows: 1, number of positions: 4, number of connections: 4, product range: ICC..-H/..L5,0, pitch: 5 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.5 mm, number of solder pins per potential: 1, Pin connector pattern alignment: Standard, locking: Snap-in locking, mounting: without, type of packaging: Box packaging, Product with pin output on left side

PCB header

PCB header - ICC25-H/4R5,0-7035 - 2203903

https://www.phoenixcontact.com/us/products/2203903

PCB headers, nominal cross section: 2.5 mm^2, color: light grey, nominal current: 16 A, rated voltage (III/2): 320 V, type of contact: Male connector, number of potentials: 4, number of rows: 1, number of positions: 4, number of connections: 4, product range: ICC..-H/..R5,0, pitch: 5 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.5 mm, number of solder pins per potential: 1, Pin connector pattern alignment: Standard, locking: Snap-in locking, mounting: without, type of packaging: Box packaging, Product with pin output on right side

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Printed-circuit board connector

Printed-circuit board connector - PSPT 2,5/ 4-ST KMGY - 2202344

https://www.phoenixcontact.com/us/products/2202344

PCB connector, nominal cross section: 2.5 mm^2, color: light grey, nominal current: 16 A, rated voltage (III/2): 300 V, contact surface: Tin, type of contact: Female connector, number of potentials: 4, number of rows: 1, number of positions: 4, number of connections: 4, product range: PSPT 2,5/..-ST, pitch: 5 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, locking clip: - Locking clip, locking: without, mounting: without, type of packaging: packed in cardboard, Color of the spring lever: orange

Printed-circuit board connector

Printed-circuit board connector - MSTBT 2,5 HC/ 4-STP GY7035 - 2200332

https://www.phoenixcontact.com/us/products/2200332

PCB connector, nominal cross section: 2.5 mm^2, color: light grey, nominal current: 16 A, rated voltage (III/2): 320 V, contact surface: Tin, type of contact: Female connector, number of rows: 1, number of positions: 4, product range: MSTBT 2,5 HC/..-STP, pitch: 5 mm, connection method: Screw connection with tension sleeve, conductor/PCB connection direction: 0 °, locking clip: - Locking clip, plug-in system: COMBICON MSTB 2,5 HC, locking: without, mounting: without

Connection plate

Connection plate - ICS25-F22S-7035 - 2203890

https://www.phoenixcontact.com/us/products/2203890

DIN rail housing, ICS filler, closed, width: 25 mm, height: 7.25 mm, depth: 22.4 mm, color: light grey (7035)

Connection plate

Connection plate - ICS25-F45S-7035 - 2203891

https://www.phoenixcontact.com/us/products/2203891

DIN rail housing, ICS filler, closed, width: 25 mm, height: 7.25 mm, depth: 44.9 mm, color: light grey (7035)

Mounting base housing - ICS50-B122X98-O-O-5015

1118652

https://www.phoenixcontact.com/us/products/1118652

Connection plate

Connection plate - ICS25-F22V-7035 - 1079495

https://www.phoenixcontact.com/us/products/1079495

DIN rail housing, ICS filler, with vents, width: 25 mm, height: 7.25 mm, depth: 22.4 mm, color: light grey (7035)

Connection plate

Connection plate - ICS25-F45V-7035 - 1079492

https://www.phoenixcontact.com/us/products/1079492

DIN rail housing, ICS filler, with vents, width: 25 mm, height: 7.25 mm, depth: 44.9 mm, color: light grey (7035)

Connection plate

Connection plate - ICS25-F22J-7035 - 2203895

https://www.phoenixcontact.com/us/products/2203895

DIN rail housing, ICS filler, with RJ45 function cutout, width: 25 mm, height: 7.25 mm, depth: 22.4 mm, color: light grey (7035)

Connection plate

Connection plate - ICS25-F22U-7035 - 1053046

https://www.phoenixcontact.com/us/products/1053046

DIN rail housing, ICS filler, with USB function cutout, width: 25 mm, height: 7.25 mm, depth: 22.4 mm, color: light grey (7035)

Mounting base housing - ICS50-B122X98-O-O-5015

1118652

https://www.phoenixcontact.com/us/products/1118652

Connection plate

Connection plate - ICS25-F22A-7035 - 2203894

https://www.phoenixcontact.com/us/products/2203894

DIN rail housing, ICS filler, with antenna function cutout, width: 25 mm, height: 7.
25 mm, depth: 22.4 mm, color: light grey (7035)

Connection plate

Connection plate - ICS25-F45D15-7035 - 2203896

https://www.phoenixcontact.com/us/products/2203896

DIN rail housing, ICS filler, with D-SUB 15 function cutout, width: 25 mm, height:
7.25 mm, depth: 44.9 mm, color: light grey (7035)

DIN rail bus connectors

DIN rail bus connectors - TBUS8-25,0-PPPPPPPP-7035 - 2202891

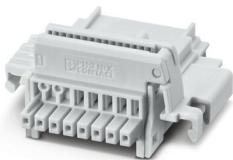https://www.phoenixcontact.com/us/products/2202891
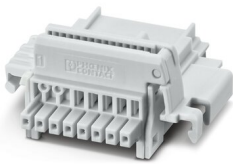
DIN rail connector, color: light grey, nominal current: 6 A (parallel contacts), rated voltage (III/2): 32 V, number of positions: 8, pitch: 2.54 mm, mounting: DIN rail mounting, locking: without, mounting: without, type of packaging: packed in cardboard, Item with gold-plated contacts, bus connectors for connecting with electronics housings, 8 parallel contacts

DIN rail bus connectors

DIN rail bus connectors - TBUS8-25,0-PPPPPPPS-7035 - 2202890

https://www.phoenixcontact.com/us/products/2202890

DIN rail connector, color: light grey, nominal current: 6 A, 4 A (parallel contacts) (Serial contacts), rated voltage (III/2): 32 V, number of positions: 8, pitch: 2.54 mm, mounting: DIN rail mounting, locking: without, mounting: without, type of packaging: packed in cardboard, Item with gold-plated contacts, bus connectors for connecting with electronics housings, 7 parallel contacts/1 serial contact

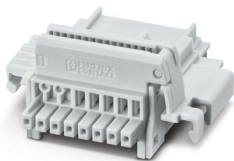# Mounting base housing - ICS50-B122X98-O-O-5015

1118652

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DIN rail bus connectors

DIN rail bus connectors - TBUS8-25,0-PPPPPPSS-7035 - 2202895

https://www.phoenixcontact.com/us/products/2202895

DIN rail connector, color: light grey, nominal current: 6 A, 4 A (parallel contacts) (Serial contacts), rated voltage (III/2): 32 V, number of positions: 8, pitch: 2.54 mm, mounting: DIN rail mounting, locking: without, mounting: without, type of packaging: packed in cardboard, Item with gold-plated contacts, bus connectors for connecting with electronics housings, 6 parallel contacts/2 serial contacts

Heatsink

Heatsink - ICE50-R122X22-A1 - 1328707

https://www.phoenixcontact.com/us/products/1328707

Heatsink, anodized, width: 22.4 mm

Mounting base housing - ICS50-B122X98-O-O-5015

1118652

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Heatsink

Heatsink - ICE50-R122X45-A1 - 1328706

https://www.phoenixcontact.com/us/products/1328706

Heatsink, anodized, width: 44.9 mm

Heatsink

Heatsink - ICE50-R122X67-A1 - 1118305

https://www.phoenixcontact.com/us/products/1118305

Heatsink, anodized, width: 67.4 mm
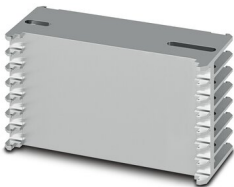
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