ICS50-TL122X12-9005 - Upper housing part

1076870

https://www.phoenixcontact.com/us/products/1076870

PHŒNIX CONTACT

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DIN rail housing, Upper part, with transparent hinged cover, width: 50.1 mm, height: 123.5 mm, depth: 14.35 mm, color: black (similar RAL 9005)

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	1076870
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	AC09
Product key	ACHAEC
GTIN	4055626785097
Weight per piece (including packing)	32.017 g
Weight per piece (excluding packing)	22.6 g
Customs tariff number	85389099
Country of origin	DE

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Technical data

Notes

Assembly note	Refer to the data sheet for the range in the download area.

Product properties

Product type	Upper housing part
Housing type	DIN rail housing
Housing series	ICS
Product family	ICS50-..122X..
Type	Upper part, with transparent hinged cover
Ventilation openings present	no

Data management status

Article revision	00

Dimensions

Dimensional drawing	
Width	50.1 mm
Height	123.5 mm
Depth	14.35 mm

PCB design

PCB thickness	1.4 mm ... 1.8 mm

Material specifications

Color (Upper housing part)	black (RAL 9005)
Color (Housing cover)	transparent
Flammability rating according to UL 94	V0
CTI according to IEC 60112	600
Housing material	Polyamide
Surface characteristics	untreated

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

Protection against electric shock

Specification	IEC 60998-1:2002-12
Requirements, protection against electric shock	It must not be possible to touch any conductive part with the IEC test finger and a test force of 10 N.

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

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Relative humidity (storage/transport)	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	Snap in

Packaging specifications

Type of packaging	packed in cardboard
Outer packaging type	Carton

Drawings

Dimensional drawing

h

d

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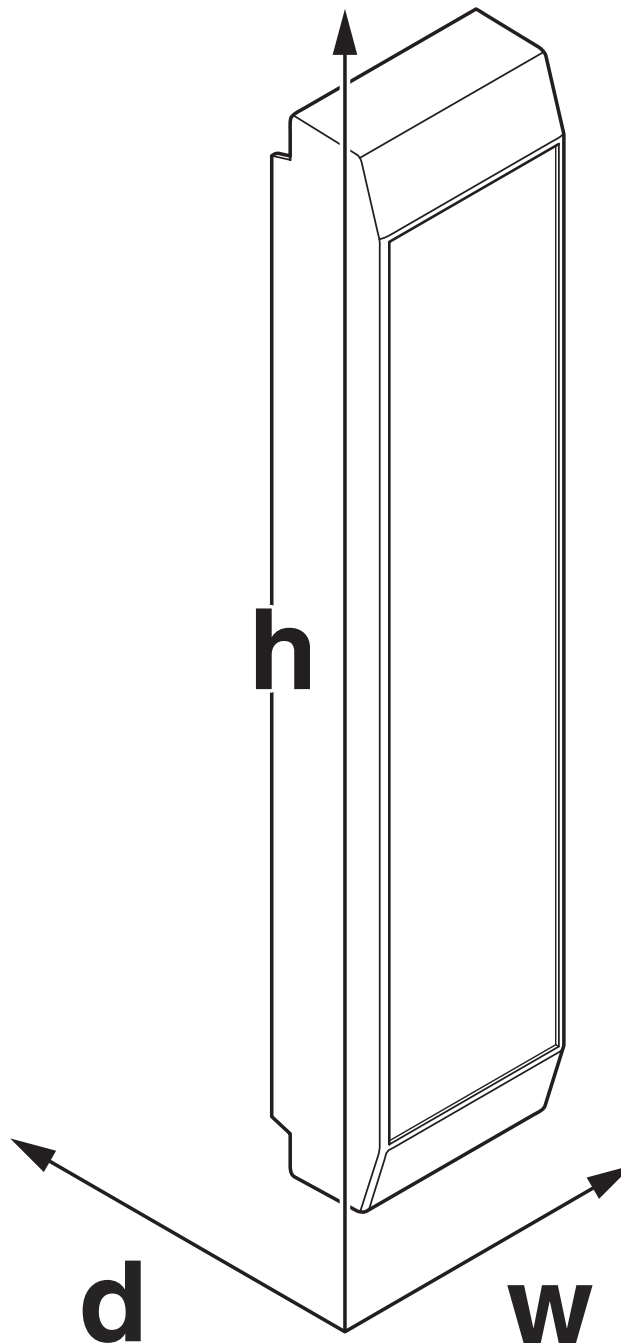
Schematic figure for illustrating the item dimensions. The figure is not of the desired product. For further details, refer to the product drawings in the "Downloads" tab.

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Approvals

☼ To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1076870

UL Recognized
Approval ID: E240868

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Classifications

ECLASS

ECLASS-11.0	27182702
ECLASS-13.0	27190603

ETIM

ETIM 9.0	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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Accessories

ICS50-B122X98-V-V-9005 - Mounting base housing

1076880

https://www.phoenixcontact.com/us/products/1076880

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: black (similar RAL 9005), cross connection: DIN rail connector (optional), number of positions cross connector: 8

ICS50-B122X98-O-O-9005 - Mounting base housing

1118643

https://www.phoenixcontact.com/us/products/1118643

DIN rail housing, Lower housing part with metal foot catch, width: 50.1 mm, height: 122.5 mm, depth: 108.35 mm, color: black (similar RAL 9005), cross connection: DIN rail connector (optional), number of positions cross connector: 8

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

2203902

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

PCB headers, nominal cross section: 2.5 mm^2, color: light gray, nominal current: 16 A, rated voltage (III/2): 320 V, contact surface: Sn, contact connection type: Pin, 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

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

2203903

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

PCB headers, nominal cross section: 2.5 mm^2, color: light gray, nominal current: 16 A, rated voltage (III/2): 320 V, contact surface: Sn, contact connection type: Pin, 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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PSPT 2,5/ 4-ST KMGY - PCB connector

2202344

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

PCB connector, nominal cross section: 2.5 mm^2, color: light gray, nominal current: 16 A, rated voltage (III/2): 300 V, contact surface: Sn, contact connection type: Socket, 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

MSTBT 2,5 HC/ 4-STP GY7035 - PCB connector

2200332

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

PCB connector, nominal cross section: 2.5 mm^2, color: light gray, nominal current: 16 A (see derating curve), rated voltage (III/2): 320 V, contact surface: Sn, contact connection type: Socket, number of potentials: 4, number of rows: 1, number of positions: 4, number of connections: 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, type of packaging: packed in cardboard

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ICS25-F22S-7035 - Connection plate

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 gray (similar RAL 7035)

ICS25-F45S-7035 - Connection plate

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 gray (similar RAL 7035)

ICS50-TL122X12-9005 - Upper housing part

1076870

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ICS25-F22V-7035 - Connection plate

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 gray (similar RAL 7035)

ICS25-F45V-7035 - Connection plate

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 gray (similar RAL 7035)

ICS50-TL122X12-9005 - Upper housing part

1076870

https://www.phoenixcontact.com/us/products/1076870

ICS25-F22J-7035 - Connection plate

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 gray (similar RAL 7035)

ICS25-F22U-7035 - Connection plate

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 gray (similar RAL 7035)

ICS50-TL122X12-9005 - Upper housing part

1076870

https://www.phoenixcontact.com/us/products/1076870

ICS25-F22A-7035 - Connection plate

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 gray (similar RAL 7035)

ICS25-F45D15-7035 - Connection plate

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 gray (similar RAL 7035)
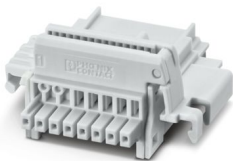
ICS50-TL122X12-9005 - Upper housing part

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

2202891

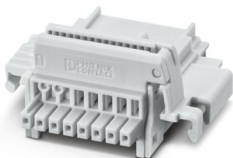https://www.phoenixcontact.com/us/products/2202891

DIN rail connector, color: light gray, nominal current: 6 A (parallel contacts), rated voltage (III/2): 32 V, number of positions: 8, product range: TBUS8-25.., 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

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

2202890

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

DIN rail connector, color: light gray, nominal current: 6 A, 4 A (parallel contacts) (Serial contacts), rated voltage (III/2): 32 V, number of positions: 8, product range: TBUS8-25.., 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
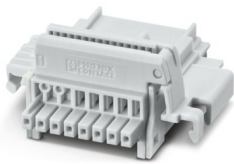
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TBUS8-25,0-PPPPPPSS-7035 - DIN rail bus connectors

2202895

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

DIN rail connector, color: light gray, nominal current: 6 A, 4 A (parallel contacts) (Serial contacts), rated voltage (III/2): 32 V, number of positions: 8, product range: TBUS8-25.., 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