ICS50-C100X12-9005 - Upper housing part

1076892

https://www.phoenixcontact.com/us/products/1076892

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DIN rail housing, Upper part, closed, width: 50.1 mm, height: 100 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	1076892
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	AC09
Product key	ACHAED
GTIN	4055626785646
Weight per piece (including packing)	15.9 g
Weight per piece (excluding packing)	11.6 g
Customs tariff number	85389099
Country of origin	DE

Technical data

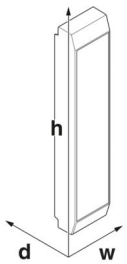
Notes

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-..100X..
Type	Upper part, closed
Ventilation openings present	no

Dimensions

Dimensional drawing	
Width	50.1 mm
Height	100 mm
Depth	14.35 mm

PCB design

PCB thickness	1.4 mm ... 1.8 mm

Material specifications

Color (Housing)	black (RAL 9005)
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

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
Thickness of the PCB	1.4 mm ... 1.8 mm

Mounting

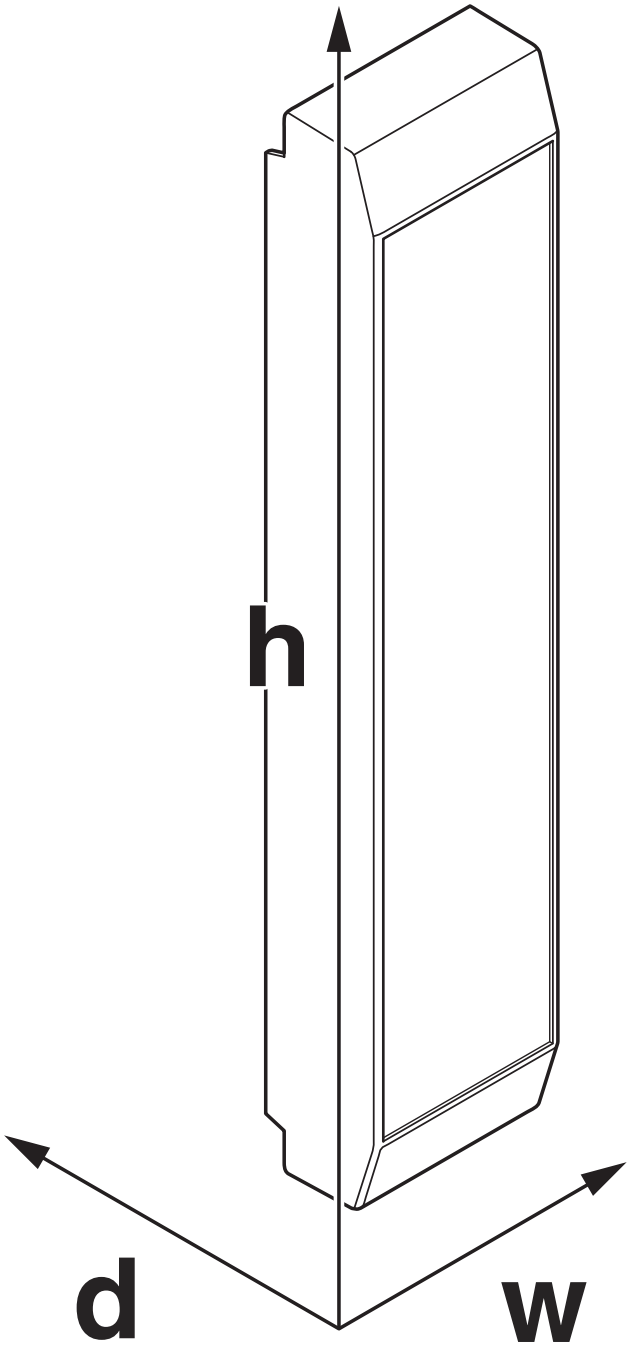
Mounting type	Snap in
Mounting position	Vertical (horizontal DIN rail)

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.

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1076892

UL Recognized
Approval ID: FILE E 240868

Classifications

ECLASS

ECLASS-11.0	27182702
ECLASS-13.0	27190603

ETIM

ETIM 9.0	EC001031

UNSPSC

UNSPSC 21.0	31261500

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%

Accessories

ICS50-B100X98-V-V-9005 - Mounting base housing

1076893

https://www.phoenixcontact.com/us/products/1076893



DIN rail housing, Lower housing part with metal foot catch, Level 1: with vents, width: 50.1 mm, height: 100 mm, depth: 108.35 mm, color: black (similar RAL 9005), cross connection: DIN rail connector (optional), number of positions cross connector: 8

ICS50-B100X98-O-O-9005 - Mounting base housing

1118654

https://www.phoenixcontact.com/us/products/1118654



DIN rail housing, Lower housing part with metal foot catch, width: 50.1 mm, height: 100 mm, depth: 108.35 mm, color: black (similar RAL 9005), cross connection: DIN rail connector (optional), number of positions cross connector: 8

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 grey, nominal current: 16 A, rated voltage (III/2): 320 V, 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 grey, nominal current: 16 A, rated voltage (III/2): 320 V, 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

PSPT 2,5/ 4-ST KMGY - PCB connectors

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, 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 connectors

2200332

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



PCB connector, nominal cross section: 2.5 mm^2, color: light grey, nominal current: 16 A (see derating curve), rated voltage (III/2): 320 V, contact surface: Tin, contact connection type: Socket, 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

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 grey (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 grey (similar RAL 7035)

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 grey (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 grey (similar RAL 7035)

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 grey (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 grey (similar RAL 7035)

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 grey (similar RAL 7035)

ICS25-F45D15-7035 - Connection plate

2203896

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

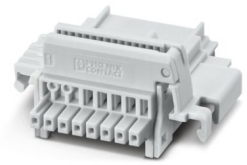


DIN rail housing, ICS filler, with D-SUB 15 function cutout, width: 25 mm, height: 7.25 mm, depth: 44.9 mm, color: light grey (similar RAL 7035)

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

2202891

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

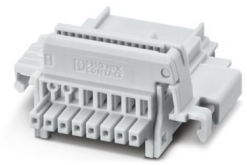


DIN rail connector, color: light grey, nominal current: 6 A (parallel contacts), rated voltage (III/2): 32 V, number of positions: 8, product range: TBUS8-25.., pitch: 2. 54 mm, mounting: DIN rail mounting, locking: without, mounting: without, type of packaging: packed in cardboard, Item with gold-plated 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 grey, 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

ICS50-C100X12-9005 - Upper housing part

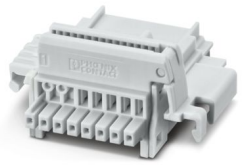
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TBUS8-25,0-PPPPPPSS-7035 - DIN rail bus connectors

2202895

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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, 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

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