

# ICS25-C122X12-7035 - Upper part of housing



2203886

<https://www.phoenixcontact.com/us/products/2203886>

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DIN rail housing, Upper part, closed, width: 25 mm, height: 122.5 mm, depth: 14.35 mm, color: light grey (7035)



## 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                          | 2203886       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 10 pc         |
| Sales key                            | AC09          |
| Product key                          | ACHAED        |
| GTIN                                 | 4055626465913 |
| Weight per piece (including packing) | 11.11 g       |
| Weight per piece (excluding packing) | 11.11 g       |
| Customs tariff number                | 85389099      |
| Country of origin                    | DE            |

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## Technical data

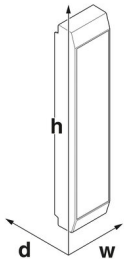
### Notes

|         |   |
|---------|---|
| General | Refer to the data sheet for the range in the download area. |
|---------|---|

### Product properties

|                              |                    |
|------------------------------|--------------------|
| Product type                 | Upper housing part |
| Product family               | ICS25              |
| Type                         | Upper part, closed |
| Housing type                 | DIN rail housing   |
| Ventilation openings present | no                 |
| Housing series               | ICS                |

### Dimensions

|                     |  |
|---------------------|--|
| Dimensional drawing |  |
| Width               | 25 mm  |
| Height              | 122.5 mm   |
| Depth               | 14.35 mm   |

### PCB design

|               |                   |
|---------------|-------------------|
| PCB thickness | 1.4 mm ... 1.5 mm |
|---------------|-------------------|

### Material specifications

|  |                   |
|--|-------------------|
| Color                                  | light grey (7035) |
| 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 Hz ... 58.1 Hz) |
| Acceleration  | 2g (58.1 Hz ... 150 Hz)     |

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|                        |                   |
|------------------------|-------------------|
| 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 | 2                 |
| Type of PCB mount     | Slot              |
| Thickness of the PCB  | 1.4 mm ... 1.5 mm |

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## Mounting

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

## Packaging specifications

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

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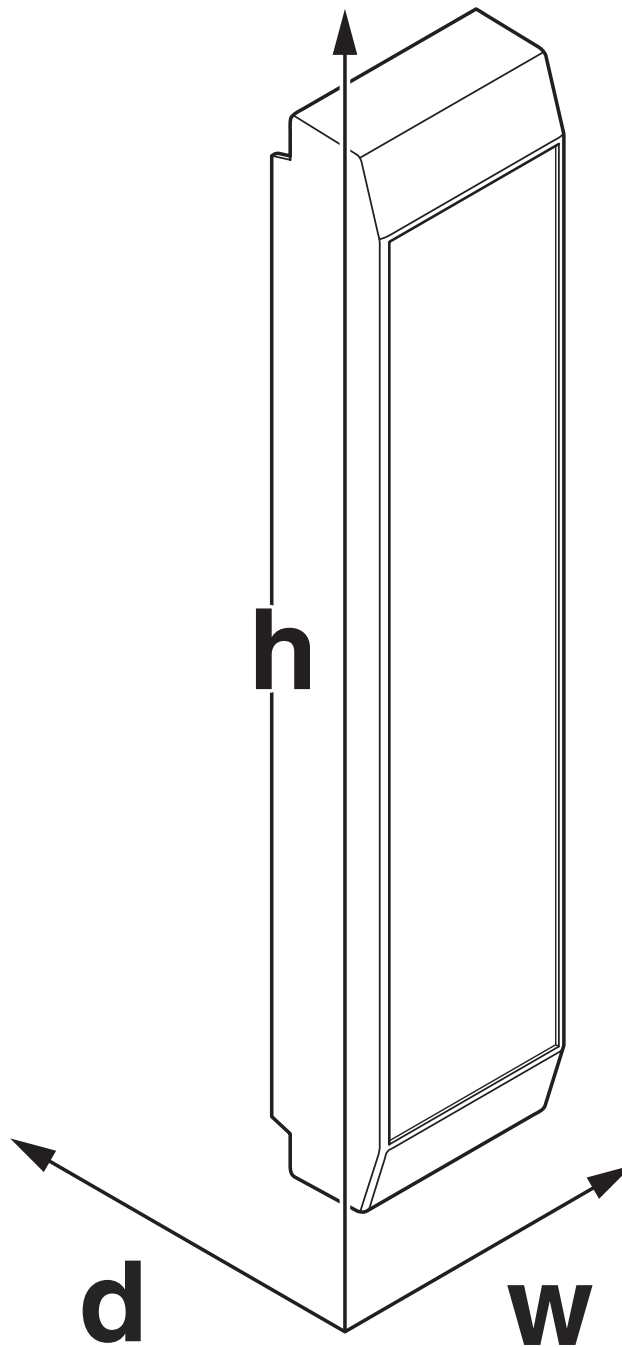
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## Drawings

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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## Approvals

📄 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2203886>



**UL Recognized**

Approval ID: FILE E 240868

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27182702 |
| ECLASS-13.0 | 27190603 |

### ETIM

|          |          |
|----------|----------|
| ETIM 8.0 | EC001031 |
|----------|----------|

### UNSPSC

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

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## Environmental product compliance

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



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## Accessories

### ICS25-B122X98-V-7035 - Mounting base housing

2203885

<https://www.phoenixcontact.com/us/products/2203885>



DIN rail housing, Lower housing part with metal foot catch, Level 1: with vents, width: 25 mm, height: 122.5 mm, depth: 108.35 mm, color: light grey (7035), 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<sup>2</sup>, 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

# ICS25-C122X12-7035 - Upper part of housing

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<https://www.phoenixcontact.com/us/products/2203886>



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

2203903

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



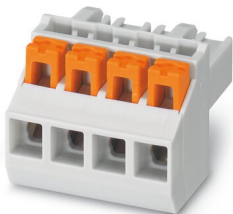
PCB headers, nominal cross section: 2.5 mm<sup>2</sup>, color: light grey, nominal current: 16 A, rated voltage (III/2): 320 V, contact connection type: Pin, number of potentials: 4, number of rows: 1, number of positions: 4, number of connections: 4, product range: ICC...-H/..R5,0, pitch: 5 mm, mounting: 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

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

2202344

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



PCB connector, nominal cross section: 2.5 mm<sup>2</sup>, 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

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

2200332

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



PCB connector, nominal cross section: 2.5 mm<sup>2</sup>, color: light grey, nominal current: 16 A, 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

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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 grey (7035)

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## 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 (7035)



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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 grey (7035)



## ICS25-C122X12-7035 - Upper part of housing

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## 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 (7035)



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## 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 (7035)



## ICS25-C122X12-7035 - Upper part of housing

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## 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 (7035)



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## 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 (7035)



## ICS25-C122X12-7035 - Upper part of housing

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## 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 (7035)



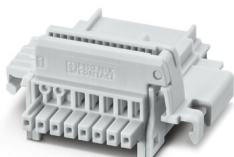
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## TBUS8-25,0-PPPPPPPP-7035 - DIN rail bus connectors

2202891

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

DIN rail connector, color: light 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



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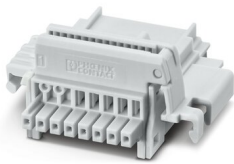
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## TBUS8-25,0-PPPPPPPS-7035 - DIN rail bus connectors

2202890

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



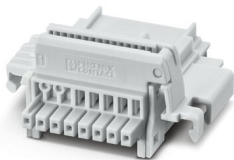
DIN rail connector, color: light grey, nominal current: 6 A, 4 A (parallel contacts) (Serial contacts), rated voltage (III/2): 32 V, number of positions: 8, pitch: 2.54 mm, mounting: DIN rail mounting, locking: without, mounting: without, type of packaging: packed in cardboard, Item with gold-plated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

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