

# ICS25-TL77X12-7035 - Upper housing part



1019570  
<https://www.phoenixcontact.com/us/products/1019570>

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DIN rail housing, Upper part, with transparent hinged cover, width: 25 mm, height: 78.5 mm, depth: 14.35 mm, color: light gray (similar RAL 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                          | 1019570       |
| Packing unit                         | 10 pc         |
| Minimum order quantity               | 10 pc         |
| Sales key                            | AC09          |
| Product key                          | ACHAEC        |
| GTIN                                 | 4055626506746 |
| Weight per piece (including packing) | 13.39 g       |
| Weight per piece (excluding packing) | 13.3 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. |
|---------------|-------------------------------------------------------------|

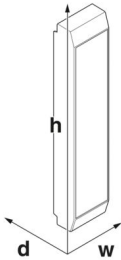
### Product properties

|                              |                                           |
|------------------------------|-------------------------------------------|
| Product type                 | Upper housing part                        |
| Housing type                 | DIN rail housing                          |
| Housing series               | ICS                                       |
| Product family               | ICS25-..77X..                             |
| Type                         | Upper part, with transparent hinged cover |
| Ventilation openings present | no                                        |

### Data management status

|                  |    |
|------------------|----|
| Article revision | 00 |
|------------------|----|

### Dimensions

|                     |                                                                                     |
|---------------------|-------------------------------------------------------------------------------------|
| Dimensional drawing |  |
| Width               | 25 mm                                                                               |
| Height              | 78.5 mm                                                                             |
| Depth               | 14.35 mm                                                                            |

### PCB design

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

### Material specifications

|                                        |                       |
|----------------------------------------|-----------------------|
| Color (Upper housing part)             | light gray (RAL 7035) |
| 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      |

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1019570

<https://www.phoenixcontact.com/us/products/1019570>

|                        |                             |
|------------------------|-----------------------------|
| 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                                   |

# ICS25-TL77X12-7035 - Upper housing part



1019570

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|                                       |      |
|---------------------------------------|------|
| Relative humidity (storage/transport) | 80 % |
|---------------------------------------|------|

## PCB data

|                       |                   |
|-----------------------|-------------------|
| Number of PCB holders | 2                 |
| Type of PCB mount     | Slot              |
| Thickness of the PCB  | 1.4 mm ... 1.8 mm |

## Mounting

|               |         |
|---------------|---------|
| Mounting type | Snap in |
|---------------|---------|

## Packaging specifications

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

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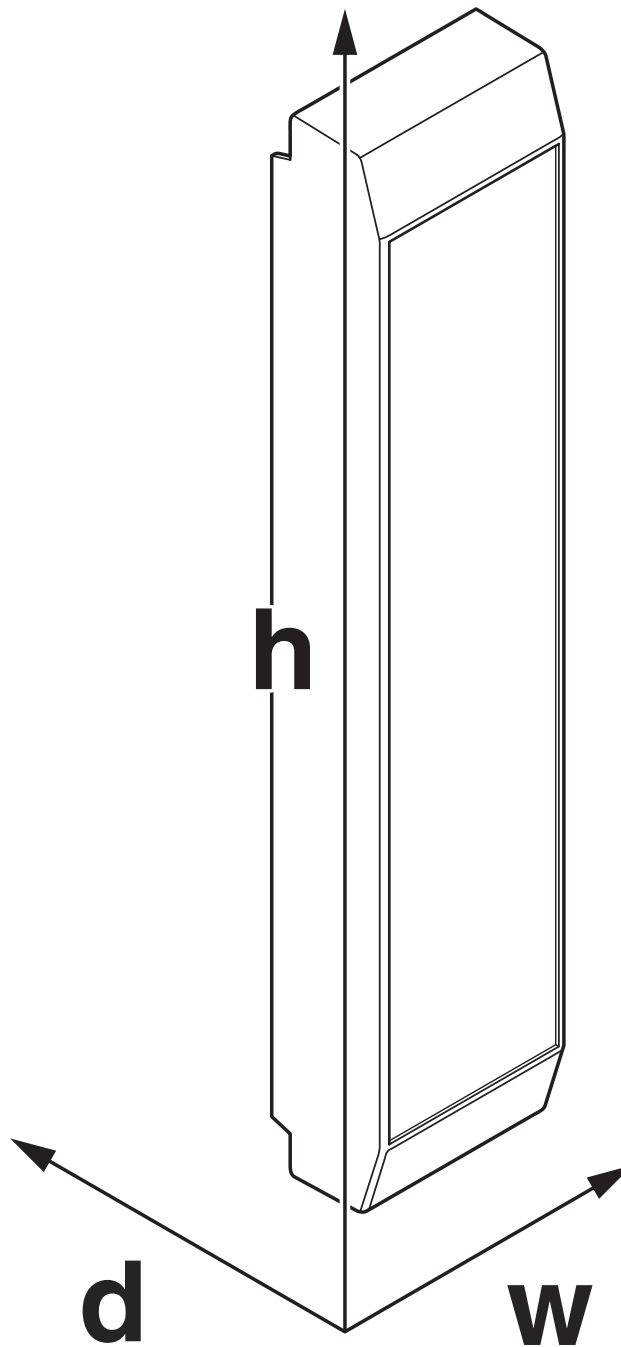
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## Drawings

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.

# ICS25-TL77X12-7035 - Upper housing part



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## Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1019570>



**UL Recognized**

Approval ID: E240868

# ICS25-TL77X12-7035 - Upper housing part



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## 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%               |

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## Accessories

### ICS25-B77X75-O-7035 - Mounting base housing

2203876

<https://www.phoenixcontact.com/us/products/2203876>



DIN rail housing, Lower housing part with metal foot catch, width: 25 mm, height: 77.5 mm, depth: 85.8 mm, color: light gray (similar RAL 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 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

# ICS25-TL77X12-7035 - Upper housing part

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<https://www.phoenixcontact.com/us/products/1019570>

## 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 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<sup>2</sup>, 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

# ICS25-TL77X12-7035 - Upper housing part

1019570

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## 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<sup>2</sup>, 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-TL77X12-7035 - Upper housing part

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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 gray (similar RAL 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 gray (similar RAL 7035)



## ICS25-TL77X12-7035 - Upper housing part

1019570

<https://www.phoenixcontact.com/us/products/1019570>



## 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)



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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 gray (similar RAL 7035)



# ICS25-TL77X12-7035 - Upper housing part

1019570

<https://www.phoenixcontact.com/us/products/1019570>

## 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)



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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 gray (similar RAL 7035)



## ICS25-TL77X12-7035 - Upper housing part

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<https://www.phoenixcontact.com/us/products/1019570>



## 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)



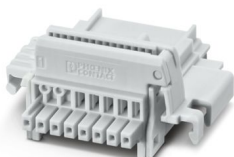
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## TBUS8-25,0-PPPPPPPP-7035 - DIN rail bus connectors

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



# ICS25-TL77X12-7035 - Upper housing part



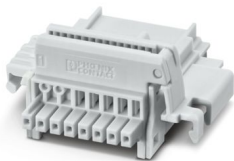
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## TBUS8-25,0-PPPPPPPS-7035 - DIN rail bus connectors

2202890

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

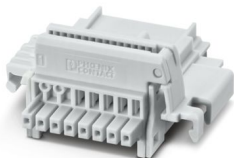


DIN rail connector, color: light gray, nominal current: 6 A, 4 A (parallel contacts) (Serial contacts), rated voltage (III/2): 32 V, number of positions: 8, product range: TBUS8-25..., pitch: 2.54 mm, mounting: DIN rail mounting, locking: without, mounting: without, type of packaging: packed in cardboard, Item with gold-plated contacts, bus connectors for connecting with electronics housings, 7 parallel contacts/1 serial contact

## 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

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