

# ICS25-C77X12-7035 - Upper housing part



1019703

<https://www.phoenixcontact.com/us/products/1019703>

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DIN rail housing, Upper part, closed, Housing cover, width: 25 mm, height: 77.5 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                          | 1019703       |
| Packing unit                         | 10 pc         |
| Minimum order quantity               | 10 pc         |
| Sales key                            | AC09          |
| Product key                          | ACHAED        |
| GTIN                                 | 4055626507248 |
| Weight per piece (including packing) | 8.2 g         |
| Weight per piece (excluding packing) | 8 g           |
| Customs tariff number                | 85389099      |
| Country of origin                    | DE            |

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## Technical data


### Notes

|                |   |
|----------------|---|
| Assembly note  | Please observe the application note in the download area.                       |
| Recommendation | Further information and detailed dimensions are available in the download area. |

### Product properties

|                              |                    |
|------------------------------|--------------------|
| Product type                 | Upper housing part |
| Housing type                 | DIN rail housing   |
| Housing type                 | Modular housings   |
| Housing series               | ICS                |
| Product family               | ICS25-..77X..      |
| Number (Connection openings) | 0                  |
| Ventilation openings present | no                 |

### Dimensions

|                     |   |
|---------------------|---|
| Dimensional drawing |  |
| Width               | 25 mm   |
| Height              | 77.5 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) |
| Material Upper housing part            | PA                    |
| Flammability rating according to UL 94 | V0                    |
| CTI according to IEC 60112             | 600                   |
| 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          |

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

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## PCB data

|                      |                   |
|----------------------|-------------------|
| 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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## 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/1019703>



**UL Recognized**

Approval ID: E240868

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27190603 |
| ECLASS-15.0 | 27190603 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | 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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