# ICS25-TL100X12-7035 - Upper housing part

2203883

https://www.phoenixcontact.com/us/products/2203883

PHŒNIX CONTACT

DIN rail housing, Upper part, with transparent hinged cover, width: 25 mm, height: 101 mm, depth: 14.35 mm, color: light grey (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

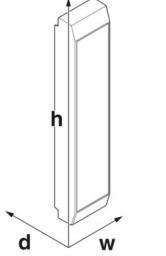| | |
|---|---|
| Item number | 2203883 |
| Packing unit | 10 pc |
| Minimum order quantity | 10 pc |
| Sales key | AC09 |
| Product key | ACHAEC |
| GTIN | 4055626465586 |
| Weight per piece (including packing) | 16.04 g |
| Weight per piece (excluding packing) | 12.4 g |
| Customs tariff number | 85389099 |
| 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 |
| Housing series | ICS |
| Product family | ICS25-..100X.. |
| Type | Upper part, with transparent hinged cover |
| Housing type | DIN rail housing |
| Ventilation openings present | no |

### Dimensions

| | |
|---|---|
| Dimensional drawing |  |

| | |
|---|---|
| Width | 25 mm |
| Height | 101 mm |
| Depth | 14.35 mm |

#### PCB design

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

### Material specifications

| | |
|---|---|
| Color (Upper housing part) | light grey (RAL 7035) |
| Color (Housing cover) | transparent |
| 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) |
|---|---|
| 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) | 80 % |

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## 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 |
| Mounting position | Vertical (horizontal DIN rail) |

## Packaging specifications

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

## Classifications

### ECLASS

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

### ETIM

| | |
|---|---|
| ETIM 9.0 | 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 |