

## Upper part of housing - ICS20-C100X12-7035 - 2203879

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DIN rail housing, Upper part, closed, width: 20 mm, height: 100 mm, depth: 14.35 mm, color: light gray (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



### Key Commercial Data

|                        |   |
|------------------------|---|
| Packing unit           | 10 pc   |
| Minimum order quantity | 10 pc   |
| GTIN                   | <br>4 055626 465548 |
| GTIN                   | 4055626465548   |

### Technical data

#### Item properties

|                              |                       |
|------------------------------|-----------------------|
| Brief article description    | Upper part of housing |
| Type                         | ICS20-C100X12-7035    |
| Order No.                    | 2203879               |
| Housing type                 | DIN rail housing      |
| Housing series               | ICS                   |
| Range of articles            | ICS20                 |
| Type                         | Upper part, closed    |
| Max. IP code to attain       | IP20                  |
| Mounting type                | Snap in               |
| Ventilation openings present | no                    |

#### Dimensions

# Upper part of housing - ICS20-C100X12-7035 - 2203879

## Technical data

### Dimensions

|              |   |
|--------------|---|
| Caption      | 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. |
| Width [ w ]  | 20 mm   |
| Height [ h ] | 100 mm  |
| Depth [ d ]  | 14.35 mm  |

### Material data

|  |                   |
|--|-------------------|
| Housing material                       | Polyamide         |
| Surface characteristics                | untreated         |
| Color (RAL)                            | light gray (7035) |
| Flammability rating according to UL 94 | V0                |

### Ambient conditions

|   |  |
|---|--|
| Ambient temperature (storage/transport) | -40 °C ... 55 °C                                   |
| Ambient temperature (assembly)          | -5 °C ... 100 °C                                   |
| Ambient temperature (operation)         | -40 °C ... 105 °C (depending on power dissipation) |
| Relative humidity (storage/transport)   | 80 %   |

### Mechanical strength/tumbling barrel

|                       |                        |
|-----------------------|------------------------|
| Specification         | IEC 60068-2-31:2008-05 |
| Height of fall        | 50 cm                  |
| Number of drop cycles | 50                     |

### Thermostability (Ball Thrust Test)

|               |                        |
|---------------|------------------------|
| Specification | IEC 60695-10-2:2014-02 |
| Temperature   | 125 °C                 |
| Test duration | 1 h                    |
| Force         | 20 N                   |

### Test for assessing the risk of fire (glow wire)

|                  |                        |
|------------------|------------------------|
| Specification    | IEC 60695-2-11:2014-02 |
| Temperature      | 850 °C                 |
| Time of exposure | 30 s                   |

### Testing for paint wetting impairment substances (LABS-conformity)

|               |                      |
|---------------|----------------------|
| Specification | VW PV 3.10.7:2005-02 |
|---------------|----------------------|

### General information

|              |   |
|--------------|---|
| Type of note | Assembly instruction:                                       |
| Note         | Refer to the data sheet for the range in the download area. |

### Packaging information

|                    |                     |
|--------------------|---------------------|
| Type of packaging  | packed in cardboard |
| Pieces per package | 10                  |

# Upper part of housing - ICS20-C100X12-7035 - 2203879

## Technical data

### Packaging information

|                            |        |
|----------------------------|--------|
| Denomination packing units | Pcs.   |
| Outer packaging type       | Carton |

### Standards and regulations

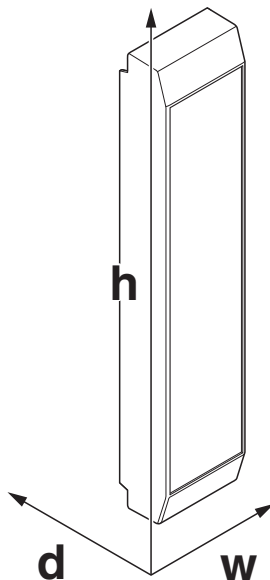
|  |    |
|--|----|
| Flammability rating according to UL 94 | V0 |
|--|----|

### Environmental Product Compliance

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

## 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.

## Classifications

eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27182702 |
| eCl@ss 11.0   | 27182702 |
| eCl@ss 5.1    | 27180505 |
| eCl@ss 6.0    | 27180800 |
| eCl@ss 7.0    | 27182702 |
| eCl@ss 9.0    | 27182702 |

# Upper part of housing - ICS20-C100X12-7035 - 2203879

## Classifications

### ETIM

|          |          |
|----------|----------|
| ETIM 6.0 | EC001031 |
| ETIM 7.0 | EC001031 |

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 18.0 | 31261501 |
| UNSPSC 19.0 | 31261501 |
| UNSPSC 20.0 | 31261501 |
| UNSPSC 21.0 | 31261501 |

## Approvals

### Approvals

Approvals

UL Recognized

Ex Approvals

### Approval details

|               |   |   |               |
|---------------|---|---|---------------|
| UL Recognized |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 240868 |
|---------------|---|---|---------------|

## Accessories

### Accessories

Component housing lower part

Mounting base housing - ICS20-B100X98-V-7035 - 2203878



DIN rail housing, Lower housing part with metal foot catch, Level 1: with vents, width: 20 mm, height: 100 mm, depth: 108.35 mm, color: light gray (7035), cross connection: DIN rail connector (optional), number of positions cross connector: 8

### Connection plate

## Upper part of housing - ICS20-C100X12-7035 - 2203879

### Accessories

Connection plate - ICS20-F22S-7035 - 2203888



DIN rail housing, ICS filler, closed, width: 20 mm, height: 7 mm, depth: 22.5 mm, color: light gray (7035)

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Connection plate - ICS20-F45S-7035 - 2203889



DIN rail housing, ICS filler, closed, width: 20 mm, height: 7 mm, depth: 45 mm, color: light gray (7035)

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Connection plate - ICS20-F22V-7035 - 1079494



DIN rail housing, ICS filler, with vents, width: 20 mm, height: 7 mm, depth: 22.5 mm, color: light gray (7035)

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Connection plate - ICS20-F45V-7035 - 1079493



DIN rail housing, ICS filler, with vents, width: 20 mm, height: 7 mm, depth: 45 mm, color: light gray (7035)

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Connection plate - ICS20-F22U-7035 - 1053051



DIN rail housing, ICS filler, with USB function cutout, width: 20 mm, height: 7 mm, depth: 22.5 mm, color: light gray (7035)

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## Upper part of housing - ICS20-C100X12-7035 - 2203879

### Accessories

Connection plate - ICS20-F22A-7035 - 2203892



DIN rail housing, ICS filler, with antenna function cutout, width: 20 mm, height: 7 mm, depth: 22.5 mm, color: light gray (7035)

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### DIN rail connector

DIN rail bus connectors - TBUS8-20,0-PPPPPPPP-7035 - 2202889



DIN rail connector, color: light gray, nominal current: 6 A (parallel contacts), rated voltage (III/2): 32 V, Number of positions per row: 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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DIN rail bus connectors - TBUS8-20,0-PPPPPPPS-7035 - 2202894



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 per row: 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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DIN rail bus connectors - TBUS8-20,0-PPPPPPSS-7035 - 2202892



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 per row: 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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### PCB header

PCB header - ICC20-H/3L5,0-7035 - 2203900



PCB header, nominal cross section: 2.5 mm<sup>2</sup>, color: light gray, nominal current: 16 A, rated voltage (III/2): 320 V, contact surface: Tin, type of contact: Male connector, number of potentials: 3, Number of rows: 1, Number of positions per row: 3, number of connections: 3, product range: ICC..-H/..L5,0, pitch: 5 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.5 mm, Pin connector pattern alignment: Standard, Locking: Snap-in locking, mounting: without, type of packaging: Box packaging, Product with pin output on left side

## Upper part of housing - ICS20-C100X12-7035 - 2203879

### Accessories

#### PCB header - ICC20-H/3R5,0-7035 - 2203901



PCB header, nominal cross section: 2.5 mm<sup>2</sup>, color: light gray, nominal current: 16 A, rated voltage (III/2): 320 V, type of contact: Male connector, number of potentials: 3, Number of rows: 1, Number of positions per row: 3, number of connections: 3, product range: ICC..-H/..R5,0, pitch: 5 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.5 mm, 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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#### PCB plug

#### Printed-circuit board connector - PSPT 2,5/ 3-ST KMGY - 2202345



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: Tin, type of contact: Female connector, number of potentials: 3, Number of rows: 1, Number of positions per row: 3, number of connections: 3, 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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#### Printed-circuit board connector - MSTBT 2,5 HC/ 3-STP GY7035 - 2200333



PCB connector, nominal cross section: 2.5 mm<sup>2</sup>, color: light gray, nominal current: 16 A, rated voltage (III/2): 320 V, contact surface: Tin, type of contact: Female connector, Number of rows: 1, Number of positions per row: 3, product range: MSTBT 2,5 HC/..-STP, pitch: 5 mm, connection method: Screw connection with tension sleeve, conductor/PCB connection direction: 0 °, plug-in system: POWER COMBICON 2,5, Locking: without, mounting: without, type of packaging: packed in cardboard

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