

# ICS25-B100X98-V-7035 - Mounting base housing



2203881

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DIN rail housing, Lower housing part with metal foot catch, Level 1: with vents, width: 25 mm, height: 100 mm, depth: 108.35 mm, color: light grey (similar RAL 7035), cross connection: DIN rail connector (optional), number of positions cross connector: 8

## 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	2203881
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	AC09
Product key	ACHAEB
GTIN	4055626465562
Weight per piece (including packing)	46.57 g
Weight per piece (excluding packing)	39.5 g
Customs tariff number	85389099
Country of origin	DE

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## Technical data

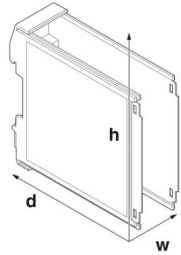
### Notes

General	Refer to the data sheet for the range in the download area.
General	Material of contact pads for bus connector, galvanic gold (hard gold)

### Product properties

Product type	Enclosure bottom part
Housing series	ICS
Product family	ICS25-..100X..
Max. number of positions	30 (pitch: 3.5 mm) 24 (pitch: 5 mm)
Number of rows	4
Type	Lower housing part with metal foot catch
Housing type	DIN rail housing
Ventilation openings present	yes

### Dimensions

Dimensional drawing	
Width	25 mm
Height	100 mm
Depth	108.35 mm
Depth from top edge of DIN rail to support point on upper part	98.15 mm
Dimensions	25 mm x 100 mm x 110 mm (Lower housing part from the top edge of the DIN rail with upper housing part) 25 mm x 100 mm x 116.7 mm (Lower housing part with upper housing part)

### PCB design

PCB thickness	1.4 mm ... 1.8 mm
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### Material specifications

Color (Housing)	light grey (RAL 7035)
Flammability rating according to UL 94	V0
CTI according to IEC 60112	600
Surface characteristics	untreated
Housing material	Polyamide

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## Environmental and real-life conditions

### Power dissipation single housing for 20 °C

Ambient temperature	20 °C
Reduction factor	1
Mounting position	vertical
Power dissipation	17 W

### Power dissipation single housing for 30 °C

Ambient temperature	30 °C
Reduction factor	0.81
Mounting position	vertical
Power dissipation	13.5 W

### Power dissipation single housing for 40 °C

Ambient temperature	40 °C
Reduction factor	0.67
Mounting position	vertical
Power dissipation	11.4 W

### Power dissipation single housing for 50 °C

Ambient temperature	50 °C
Reduction factor	0.53
Mounting position	vertical
Power dissipation	9 W

### Power dissipation single housing for 60 °C

Ambient temperature	60 °C
Reduction factor	0.41
Mounting position	vertical
Power dissipation	7 W

### Power dissipation single housing for 70 °C

Ambient temperature	70 °C
Reduction factor	0.31
Mounting position	vertical
Power dissipation	5.3 W

### 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

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## 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 % (maximum)

## PCB data

Number of PCB holders	2
Type of PCB mount	Latching
Thickness of the PCB	1.4 mm ... 1.8 mm

## Mounting

Mounting type	DIN rail mounting
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Mounting position	Vertical (horizontal DIN rail)
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## Packaging specifications

Type of packaging	packed in cardboard
Outer packaging type	Carton

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## Classifications

### ECLASS

ECLASS-11.0	27182702
ECLASS-13.0	27190601

### ETIM

ETIM 9.0	EC001031
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### 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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