

# Mounting base housing - ICS25-B100X98-V-7035 - 2203881

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



DIN rail housing, Lower housing part with metal foot catch, Level 1: with vents, width: 25 mm, height: 100 mm, depth: 108.35 mm, cross connection: DIN rail connector (optional), number of positions cross connector: 8, 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	
GTIN	4055626465562

## Technical data

### Item properties

Brief article description	Mounting base housing
Type	ICS25-B100X98-V-7035
Order No.	2203881
Housing type	DIN rail housing
Type	Lower housing part with metal foot catch
Max. IP code to attain	IP20
Mounting type	DIN rail mounting
Number of levels	4
Connection levels	3 (Both sides)
Ventilation openings present	yes
Max. number of positions	24 (pitch: 5 mm)

# Mounting base housing - ICS25-B100X98-V-7035 - 2203881

## Technical data

### Item properties

	30 (pitch: 3.5 mm)
--	--------------------

### Dimensions

Width [ w ]	25 mm
Height [ h ]	100 mm
Depth [ d ]	108.35 mm
Depth from top edge of DIN rail [ d ]	98.15 mm

### Material data

Color (RAL)	light gray (7035)
Flammability rating according to UL 94	V0
Housing material	Polyamide

### 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 %

### PCB data

Number of PCB holders	2
Mounting position	Vertical (horizontal DIN rail)
Type of PCB mount	Latching

### Power dissipation, single housing at 20 °C

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

### Power dissipation, single housing at 30 °C

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

### Power dissipation, single housing at 40 °C

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

### Power dissipation, single housing at 50 °C

Ambient temperature	50 °C
Reduction factor	0.53

# Mounting base housing - ICS25-B100X98-V-7035 - 2203881

## Technical data

### Power dissipation, single housing at 50 °C

Mounting position	vertical
Power dissipation	9 W

### Power dissipation, single housing at 60 °C

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

### Mechanical strength/tumbling barrel

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

### Vibration test

Specification	IEC 60068-2-6:2007-12
Frequency	10 - 150 - 10 Hz
Sweep speed	1 octave/min
Amplitude	0.15 mm (10 - 58.1 Hz)
Acceleration	2g (58.1 - 150 Hz)
Test duration per axis	2.5 h
Test directions	X-, Y- and Z-axis

### Shock

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.)

### Thermostability (Ball Thrust Test)

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

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

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

### Test for substances that would hinder coating with paint or varnish

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

# Mounting base housing - ICS25-B100X98-V-7035 - 2203881

## Technical data

### Degrees of protection provided by housings (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 60529:1989-11 + AMD 1:1999-11 + AMD 2:2013-08
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.

### General information

Type of note	Assembly instruction:
Note	Refer to the data sheet for the range in the download area.
Type of note	Recommendation
Note	Material of contact pads for bus connector, galvanic gold (hard gold)

### Packaging information

Type of packaging	packed in cardboard
Pieces per package	10
Denomination packing units	Pcs.
Outer packaging type	Carton

### Standards and regulations

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

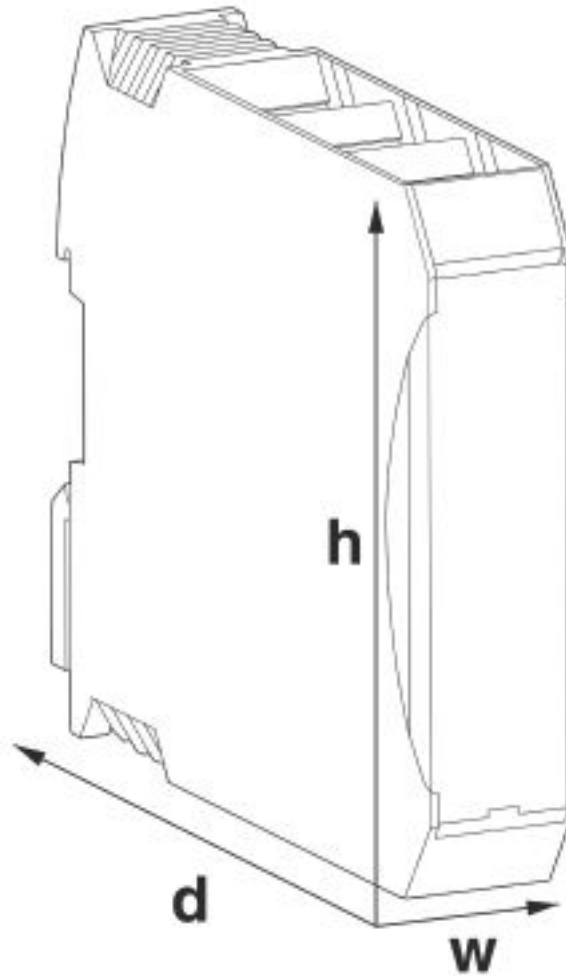
### Environmental Product Compliance

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

## Drawings

# Mounting base housing - ICS25-B100X98-V-7035 - 2203881

Dimensional drawing



## Classifications

eCl@ss

eCl@ss 10.0.1	27182702
eCl@ss 5.1	27180505
eCl@ss 6.0	27180800
eCl@ss 7.0	27182702
eCl@ss 8.0	27182702
eCl@ss 9.0	27182702

ETIM

ETIM 5.0	EC001031
ETIM 6.0	EC001031

# Mounting base housing - ICS25-B100X98-V-7035 - 2203881

## Classifications

ETIM

ETIM 7.0	EC001031
----------	----------

## 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 upper part

Upper part of housing - ICS25-C100X12-7035 - 2203882

DIN rail housing, Upper part, closed, width: 25 mm, height: 100 mm, depth: 12 mm, color: light gray (7035)



Upper part of housing - ICS25-TL100X12-7035 - 2203883

DIN rail housing, Upper part, with transparent hinged cover, width: 25 mm, height: 100 mm, depth: 12 mm, color: light gray (7035)



Connection plate

## Mounting base housing - ICS25-B100X98-V-7035 - 2203881

### Accessories

Connection plate - ICS25-F22S-7035 - 2203890



DIN rail housing, ICS filler, closed, width: 25 mm, height: 7 mm, depth: 22.5 mm, color: light gray (7035)

---

Connection plate - ICS25-F45S-7035 - 2203891



DIN rail housing, ICS filler, closed, width: 25 mm, height: 7 mm, depth: 45 mm, color: light gray (7035)

---

Connection plate - ICS25-F22V-7035 - 1079495



DIN rail housing, ICS filler, with vents, width: 25 mm, height: 7 mm, depth: 22.5 mm, color: light gray (7035)

---

Connection plate - ICS25-F45V-7035 - 1079492



DIN rail housing, ICS filler, with vents, width: 25 mm, height: 7 mm, depth: 45 mm, color: light gray (7035)

---

Connection plate - ICS25-F22J-7035 - 2203895



DIN rail housing, ICS filler, with RJ45 function cutout, width: 25 mm, height: 7 mm, depth: 22.5 mm, color: light gray (7035)

---

## Mounting base housing - ICS25-B100X98-V-7035 - 2203881

### Accessories

Connection plate - ICS25-F22U-7035 - 1053046



DIN rail housing, ICS filler, with USB function cutout, width: 25 mm, height: 7 mm, depth: 22.5 mm, color: light gray (7035)

---

Connection plate - ICS25-F22A-7035 - 2203894



DIN rail housing, ICS filler, with antenna function cutout, width: 25 mm, height: 7 mm, depth: 22.5 mm, color: light gray (7035)

---

Connection plate - ICS25-F45D15-7035 - 2203896



DIN rail housing, ICS filler, with D-SUB 15 function cutout, width: 25 mm, height: 7 mm, depth: 45 mm, color: light gray (7035)

---

### DIN rail connector

DIN rail bus connectors - TBUS8-25,0-PPPPPPPP-7035 - 2202891



DIN rail connector, number of positions: 8, pitch: 2.54 mm, color: light gray, 8 parallel contacts

---

DIN rail bus connectors - TBUS8-25,0-PPPPPPPS-7035 - 2202890

DIN rail connector, number of positions: 8, pitch: 2.54 mm, color: light gray, 7 parallel contacts/1 series contact

---

DIN rail bus connectors - TBUS8-25,0-PPPPPPSS-7035 - 2202895

DIN rail connector, number of positions: 8, pitch: 2.54 mm, color: light gray, 6 parallel contacts/2 series contacts

---

### PCB headers



## Mounting base housing - ICS25-B100X98-V-7035 - 2203881

### Accessories

Feed-through header - ICC25-H/4L5,0-7035 - 2203902



PCB headers, nominal current: 16 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5 mm, color: light gray, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.5 mm, Product with pin output on left side

Feed-through header - ICC25-H/4R5,0-7035 - 2203903



PCB headers, nominal current: 16 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5 mm, color: light gray, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.5 mm, Product with pin output on right side

### PCB plug

Printed-circuit board connector - PSPT 2,5/ 4-ST KMGY - 2202344



PCB connector, nominal current: 16 A, rated voltage (III/2): 300 V, nominal cross section: 2.5 mm<sup>2</sup>, number of positions: 4, pitch: 5 mm, connection method: Push-in spring connection, color: light gray, contact surface: Tin, Color of the spring lever: orange

Printed-circuit board connector - MSTBT 2,5 HC/ 4-STP GY7035 - 2200332



PCB connector, number of positions: 4, pitch: 5 mm, color: light gray, contact surface: Tin