

# ICS20-KIT-BC100X110-V-7035+4PPC3 - Housing set



1342862

<https://www.phoenixcontact.com/us/products/1342862>

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DIN rail housing, for mounting on a DIN rail, with closed latching cover, color: light gray (similar RAL 7035), width: 20 mm, height: 100 mm, depth: 116.6 mm, incl. 4 PCB connectors, 3-pos., Push-in spring connection, for 2.5 mm<sup>2</sup>, nominal current: 16 A, 320 V, PCB surface: 9600 mm<sup>2</sup>

## Commercial data

Item number	1342862
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AC09
Product key	ACHAEK
GTIN	4063151653903
Weight per piece (including packing)	118.1 g
Weight per piece (excluding packing)	100 g
Customs tariff number	85369010
Country of origin	DE

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## Set consists of

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

2203900

<https://www.phoenixcontact.com/us/products/2203900>



PCB headers, nominal cross section: 2.5 mm<sup>2</sup>, color: light gray, nominal current: 16 A, rated voltage (III/2): 320 V, contact surface: Sn, contact connection type: Pin, number of potentials: 3, number of rows: 1, number of positions: 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, number of solder pins per potential: 1, plug-in system: ICC 2,5, Pin connector pattern alignment: Standard, locking: Snap-in locking, mounting method: without, type of packaging: Box packaging, Product with pin output on left side

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

2203901

<https://www.phoenixcontact.com/us/products/2203901>



PCB headers, nominal cross section: 2.5 mm<sup>2</sup>, color: light gray, nominal current: 16 A, rated voltage (III/2): 320 V, contact surface: Sn, contact connection type: Pin, number of potentials: 3, number of rows: 1, number of positions: 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, number of solder pins per potential: 1, plug-in system: ICC 2,5, Pin connector pattern alignment: Standard, locking: Snap-in locking, mounting method: without, type of packaging: Box packaging, Product with pin output on right side

# ICS20-KIT-BC100X110-V-7035+4PPC3 - Housing set



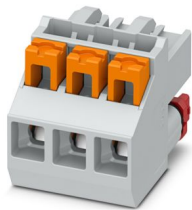
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## ICC20-PPC2,5/3-5,0-AA-7035 - PCB connector

1084030

<https://www.phoenixcontact.com/us/products/1084030>



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: Sn, contact connection type: Socket, number of potentials: 3, number of rows: 1, number of positions: 3, number of connections: 3, product range: ICC...-PPC2,5/...-5,0, pitch: 5 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, locking clip: - Locking clip, plug-in system: ICC 2,5, locking: without, mounting method: without, type of packaging: packed in cardboard, Color of the spring lever: orange

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## ICS-FE-CONTACT - Functional ground contact

2203904

<https://www.phoenixcontact.com/us/products/2203904>



Functional ground contact, for ICS series electronics housings

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## ICS20-F22S-7035 - Connection plate

2203888

<https://www.phoenixcontact.com/us/products/2203888>

DIN rail housing, ICS filler, closed, width: 20 mm, height: 7.25 mm, depth: 22.4 mm, color: light gray (similar RAL 7035)



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## ICS20-C100X12-7035 - Upper housing part

2203879

<https://www.phoenixcontact.com/us/products/2203879>

DIN rail housing, Upper part, closed, Housing cover, width: 20 mm, height: 100 mm, depth: 14.35 mm, color: light gray (similar RAL 7035)



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

2203878

<https://www.phoenixcontact.com/us/products/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 (similar RAL 7035), cross connection: DIN rail bus connector (optional), number of positions cross connector: 8

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## Technical data

### Notes

Assembly note	Please observe the assembly instructions available in the download area.
Recommendation	Material of contact pads for bus connector, galvanic gold (hard gold)
General	The PCB surface specification is for orientation purposes and is based on a basic PCB. The housing can also accommodate several PCBs.

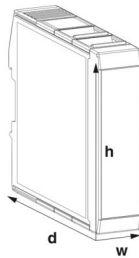
### Product properties

Product type	Stackable housing set
Housing type	DIN rail housing
Housing series	ICS
Number of positions	12
Max. number of positions	12 (pitch: 5 mm)
Number of rows	4
Ventilation openings present	yes
Anzahl der Etagen Housing (Makro)	3 (Both sides)

### Connection data

Connection method	Push-in spring connection
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### Dimensions

Dimensional drawing	
Width	20 mm
Height	100 mm
Depth	116.6 mm
Depth from top edge of DIN rail	110 mm

### PCB design

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

Color (Lower housing part)	light gray (RAL 7035)
Color (Upper housing part)	light gray (RAL 7035)
Material	PA

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Flammability rating according to UL 94	V0
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## Environmental and real-life conditions

### 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 %

## PCB data

Number of PCB holders	2
Type of PCB mount	Slot
Total PCB surface	9600 mm <sup>2</sup>
Thickness of the PCB	1.4 mm ... 1.8 mm

## Mounting

Mounting type	DIN rail mounting
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## Packaging specifications

Type of packaging	packed in cardboard
Outer packaging type	Carton

## 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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## Classifications

### ECLASS

ECLASS-13.0	27190301
ECLASS-15.0	27190301

### ETIM

ETIM 9.0	EC001031
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### UNSPSC

UNSPSC 21.0	31261500
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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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