

# ICS25-KIT-BTL100X110-V-7035+4PSC4 - Housing set



1342848

<https://www.phoenixcontact.com/us/products/1342848>

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DIN rail housing, for mounting on a DIN rail, with transparent hinged cover, color: light gray (similar RAL 7035), width: 25 mm, height: 100 mm, depth: 116.7 mm, incl. 4 PCB connectors, 4-pos., screw 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                          | 1342848       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | AC09          |
| Product key                          | ACHAEK        |
| GTIN                                 | 4063151653057 |
| Weight per piece (including packing) | 141.7 g       |
| Weight per piece (excluding packing) | 120 g         |
| Customs tariff number                | 85369010      |
| Country of origin                    | DE            |

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## Set consists of

### ICC25-PSC2,5/4-5,0-AA-7035 - PCB connector

1084027

<https://www.phoenixcontact.com/us/products/1084027>



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: 4, number of rows: 1, number of positions: 4, number of connections: 4, product range: ICC...-PSC2,5/...-5,0, pitch: 5 mm, connection method: Screw connection with tension sleeve, 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

### ICC25-H/4R5,0-7035 - PCB header

2203903

<https://www.phoenixcontact.com/us/products/2203903>



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: 4, number of rows: 1, number of positions: 4, number of connections: 4, 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

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## ICC25-H/4L5,0-7035 - PCB header

2203902

<https://www.phoenixcontact.com/us/products/2203902>



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: 4, number of rows: 1, number of positions: 4, number of connections: 4, 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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## 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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## ICS25-F22S-7035 - Connection plate

2203890

<https://www.phoenixcontact.com/us/products/2203890>

DIN rail housing, ICS filler, closed, width: 25 mm, height: 7.25 mm, depth: 22.4 mm, color: light gray (similar RAL 7035)



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## ICS25-TL100X12-7035 - Upper housing part

2203883

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

DIN rail housing, Upper part, with transparent hinged cover, Housing cover, width: 25 mm, height: 101 mm, depth: 14.35 mm, color: light gray (similar RAL 7035)



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

2203881

<https://www.phoenixcontact.com/us/products/2203881>



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 gray (similar RAL 7035), cross connection: DIN rail bus connector (optional), number of positions cross connector: 8

## 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. |

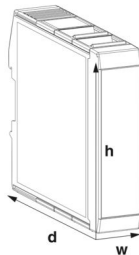
### Product properties

|                              |                       |
|------------------------------|-----------------------|
| Product type                 | Stackable housing set |
| Housing type                 | DIN rail housing      |
| Housing series               | ICS                   |
| Number of positions          | 16                    |
| Max. number of positions     | 16 (pitch: 5 mm)      |
| Number of rows               | 4                     |
| Ventilation openings present | yes                   |

### Connection data

|                   |                                      |
|-------------------|--------------------------------------|
| Connection method | Screw connection with tension sleeve |
|-------------------|--------------------------------------|

### Dimensions

|                                 |                                                                                     |
|---------------------------------|-------------------------------------------------------------------------------------|
| Dimensional drawing             |  |
| Width                           | 25 mm                                                                               |
| Height                          | 100 mm                                                                              |
| Depth                           | 116.7 mm                                                                            |
| Depth from top edge of DIN rail | 110 mm                                                                              |

### PCB design

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

### Material specifications

|                            |                       |
|----------------------------|-----------------------|
| Color (Lower housing part) | light gray (RAL 7035) |
| Color (Upper housing part) | light gray (RAL 7035) |
| Color (Housing cover)      | transparent           |
| Material                   | PA                    |

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|                                        |           |
|----------------------------------------|-----------|
| Flammability rating according to UL 94 | V0        |
| Surface characteristics                | untreated |

## 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)   | 80 % (maximum)                                     |

## 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

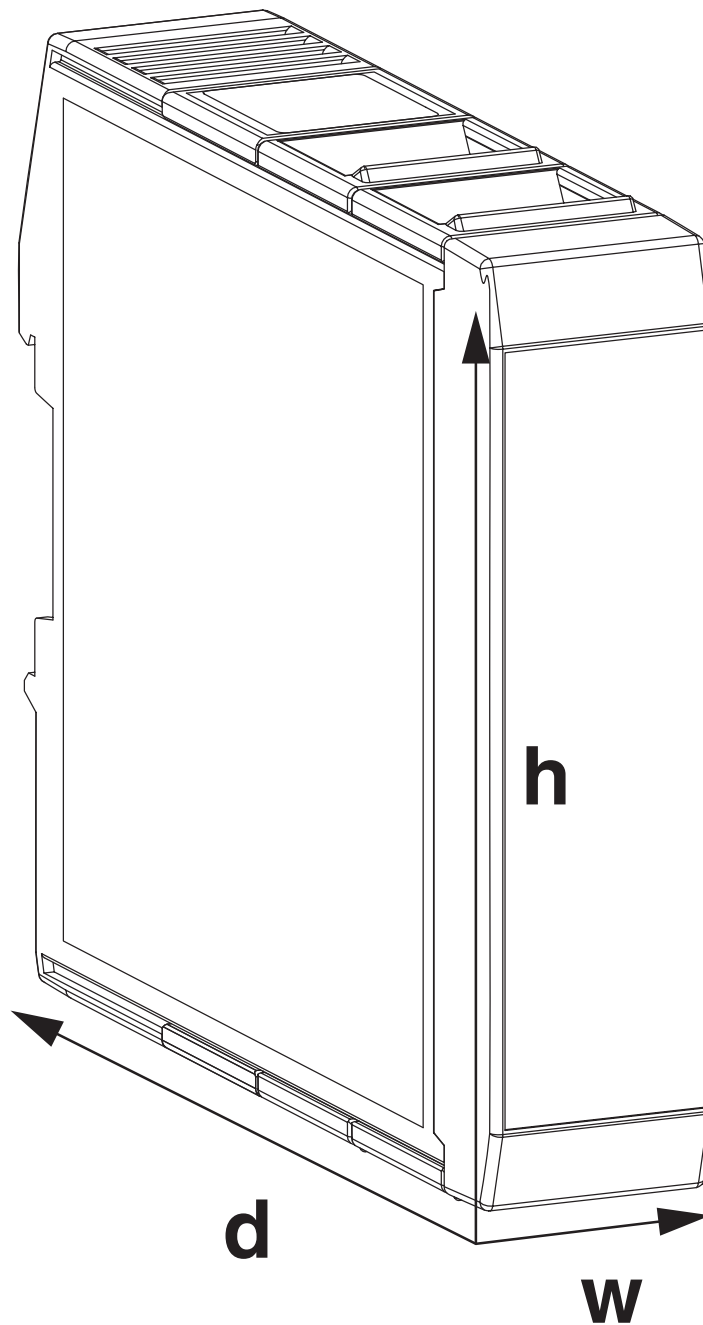
|               |                   |
|---------------|-------------------|
| Mounting type | DIN rail mounting |
|---------------|-------------------|

## 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 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 31261500 |
|-------------|----------|

Environmental product compliance

EU RoHS

|                                         |                    |
|-----------------------------------------|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|-----------------------------------------|--------------------|

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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