

ICS50-SKT-BTL100X110-V-V-7035+8PSC4 - Housing set



1457218

<https://www.phoenixcontact.com/in/products/1457218>

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DIN rail housing, for mounting on a DIN rail, with transparent hinged cover, color: light grey (similar RAL 7035), width: 50.1 mm, height: 100 mm, depth: 116.7 mm, incl. 8 PCB connectors, 4-pos., screw connection, for 2.5 mm², nominal current: 16 A, 320 V, PCB surface: 9600 mm²

Commercial data

Item number	1457218
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	ACHAEK
GTIN	4063151855505
Weight per piece (including packing)	209.9 g
Weight per piece (excluding packing)	200 g
Country of origin	DE

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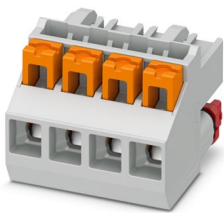
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Set consists of

ICC25-PPC2,5/4-5,0-AA-7035 - PCB connectors

1084034

<https://www.phoenixcontact.com/in/products/1084034>



PCB connector, nominal cross section: 2.5 mm², color: light grey, nominal current: 16 A, rated voltage (III/2): 320 V, contact surface: Tin, contact connection type: Socket, number of potentials: 4, number of rows: 1, number of positions: 4, number of connections: 4, 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, locking: without, mounting: without, Color of the spring lever: orange

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

2203903

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



PCB headers, nominal cross section: 2.5 mm², color: light grey, nominal current: 16 A, rated voltage (III/2): 320 V, 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, 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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ICC25-H/4L5,0-7035 - PCB header

2203902

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



PCB headers, nominal cross section: 2.5 mm², color: light grey, nominal current: 16 A, rated voltage (III/2): 320 V, 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, Pin connector pattern alignment: Standard, locking: Snap-in locking, mounting: without, type of packaging: Box packaging, Product with pin output on left side

ICS-FE-CONTACT - Functional ground contact

2203904

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



Functional ground contact, for ICS series electronics housings

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ICS25-F22S-7035 - Connection plate

2203890

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

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



ICS50-TL100X12-7035 - Upper housing part

1076994

<https://www.phoenixcontact.com/in/products/1076994>

DIN rail housing, Upper part, with transparent hinged cover, width: 50.1 mm, height: 101 mm, depth: 14.35 mm, color: light grey (similar RAL 7035)



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ICS50-B100X98-V-V-7035 - Mounting base housing

1076998

<https://www.phoenixcontact.com/in/products/1076998>



DIN rail housing, Lower housing part with metal foot catch, Level 1: with vents, width: 50.1 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

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Technical data

Notes

General	Please observe the assembly instructions available in the download area.
General	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.

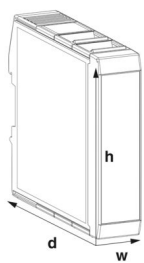
Product properties

Product type	Stackable housing set
Housing type	DIN rail housing
Housing series	ICS
Product family	ICS50-..100X..
Number of positions	32
Max. number of positions	32 (pitch: 5 mm)
Number of rows	4
Type	for mounting on a DIN rail, with transparent hinged cover incl. 8 PCB connectors, 4-pos., screw connection, for 2.5 mm ² , nominal current: 16 A, 320 V
Ventilation openings present	yes

Connection data

Connection method	Screw connection with tension sleeve
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Dimensions

Dimensional drawing	
Width	50.1 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
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Material specifications

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Color (Lower housing part)	light grey (RAL 7035)
Color (Upper housing part)	light grey (RAL 7035)
Color (Housing cover)	transparent
Flammability rating according to UL 94	V0
Housing material	Polyamide
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	4
Type of PCB mount	Latching
Total PCB surface	9600 mm ²
Thickness of the PCB	1.4 mm ... 1.8 mm

Mounting

Mounting type	DIN rail mounting
Mounting position	Vertical (horizontal DIN rail)

Packaging specifications

Type of packaging	packed in cardboard
Outer packaging type	Carton

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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-11.0	27182702
ECLASS-13.0	27190301

ETIM

ETIM 9.0	EC001031
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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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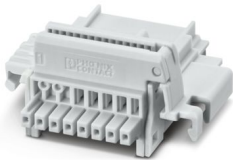
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Accessories

TBUS8-25,0-PPPPPPP-7035 - DIN rail bus connectors

2202891

<https://www.phoenixcontact.com/in/products/2202891>

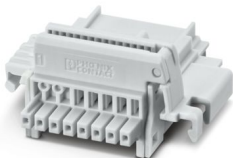


DIN rail connector, color: light grey, nominal current: 6 A (parallel contacts), rated voltage (III/2): 32 V, number of positions: 8, product range: TBUS8-25..., pitch: 2.54 mm, mounting: DIN rail mounting, locking: without, mounting: without, type of packaging: packed in cardboard, Item with gold-plated contacts, bus connectors for connecting with electronics housings, 8 parallel contacts

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

2202890

<https://www.phoenixcontact.com/in/products/2202890>



DIN rail connector, nominal current: 6 A, 4 A (parallel contacts) (Serial contacts), rated voltage (III/2): 32 V, number of positions: 8, product range: TBUS8-25..., 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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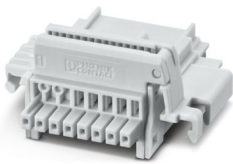
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TBUS8-25,0-PPPPSSS-7035 - DIN rail bus connectors

2202895

<https://www.phoenixcontact.com/in/products/2202895>

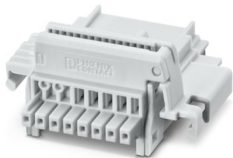


DIN rail connector, color: light grey, nominal current: 6 A, 4 A (parallel contacts) (Serial contacts), rated voltage (III/2): 32 V, number of positions: 8, product range: TBUS8-25..., pitch: 2.54 mm, mounting: DIN rail mounting, locking: without, mounting: without, type of packaging: packed in cardboard, Item with gold-plated contacts, bus connectors for connecting with electronics housings, 6 parallel contacts/2 serial contacts

TBUS8-25,0-PPPPSSSS-7035 - DIN rail bus connectors

1156781

<https://www.phoenixcontact.com/in/products/1156781>



DIN rail connector, color: light grey, nominal current: 6 A, 4 A (parallel contacts) (Serial contacts), rated voltage (III/2): 32 V, number of positions: 8, product range: TBUS8-25..., 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, 4 parallel contacts/4 serial contacts

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