ICS25-B77X75-O-7035 - Mounting base housing

2203876

https://www.phoenixcontact.com/us/products/2203876

PHŒNIX CONTACT

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DIN rail housing, Lower housing part with metal foot catch, width: 25 mm, height: 77.5 mm, depth: 85.8 mm, color: light grey (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	2203876
Packing unit	1 pc
Minimum order quantity	10 pc
Sales key	AC09
Product key	ACHAEB
GTIN	4055626465517
Weight per piece (including packing)	31.36 g
Weight per piece (excluding packing)	30.49 g
Customs tariff number	85389099
Country of origin	DE

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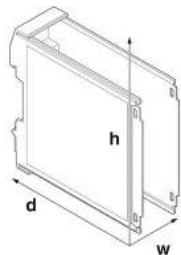## Technical data

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
Product family	ICS25
Max. number of positions	24 (pitch: 5 mm)
	30 (pitch: 3.5 mm)
Number of rows	3
Type	Lower housing part with metal foot catch
Housing type	DIN rail housing
Ventilation openings present	no
Housing series	ICS

Dimensions

Dimensional drawing	
Width	25 mm
Height	77.5 mm
Depth	85.8 mm
Depth from top edge of DIN rail to support point on upper part	75.6 mm
Dimensions	25 mm x 77.5 mm x 87.5 mm (Lower housing part from the top edge of the DIN rail with upper housing part)
	25 mm x 77.5 mm x 94 mm (Lower housing part with upper housing part)

PCB design	
PCB thickness	1.4 mm ... 1.8 mm

Material specifications

Color	light grey (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	15 W

Power dissipation single housing for 30 °C

Ambient temperature	30 °C
Reduction factor	0.81
Mounting position	vertical
Power dissipation	12 W

Power dissipation single housing for 40 °C

Ambient temperature	40 °C
Reduction factor	0.67
Mounting position	vertical
Power dissipation	10 W

Power dissipation single housing for 50 °C

Ambient temperature	50 °C
Reduction factor	0.53
Mounting position	vertical
Power dissipation	8 W

Power dissipation single housing for 60 °C

Ambient temperature	60 °C
Reduction factor	0.41
Mounting position	vertical
Power dissipation	6.1 W

Power dissipation single housing for 70 °C

Ambient temperature	70 °C
Reduction factor	0.31
Mounting position	vertical
Power dissipation	4.6 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

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)	max. 80 %

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)

Packaging specifications

Type of packaging	packed in cardboard
Outer packaging type	Carton

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Drawings
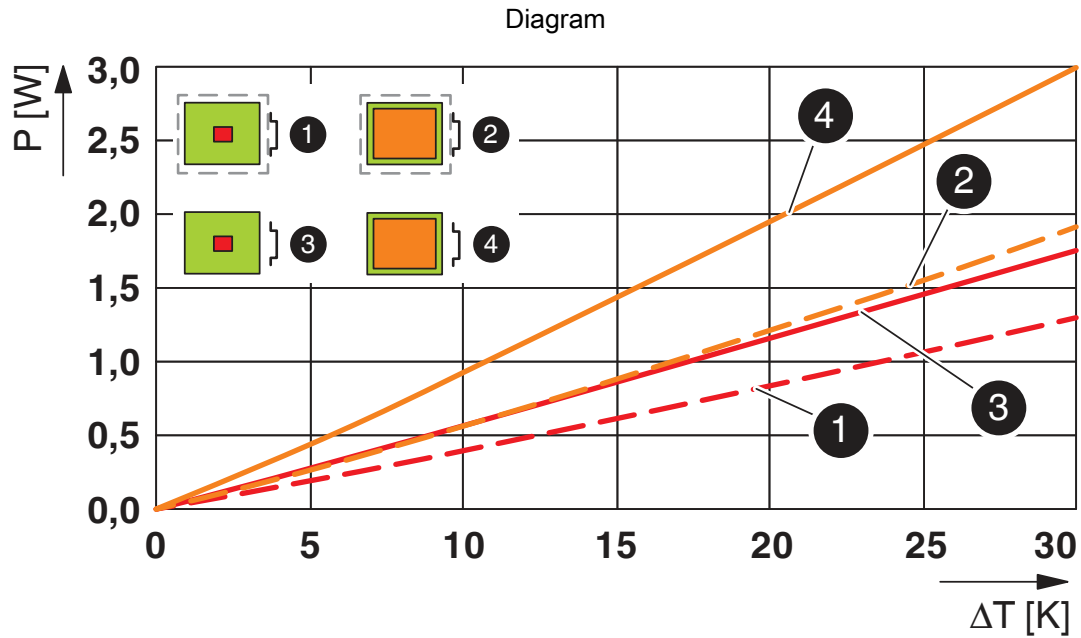
Diagram

Power dissipation diagram for 0 K ... 30 K
1. Heat concentrated on PCB inside a housing
2. Heat distributed to PCB inside a housing
3. Heat concentrated on PCB without housing (ideal)
4. Heat distributed to PCB without housing (ideal)

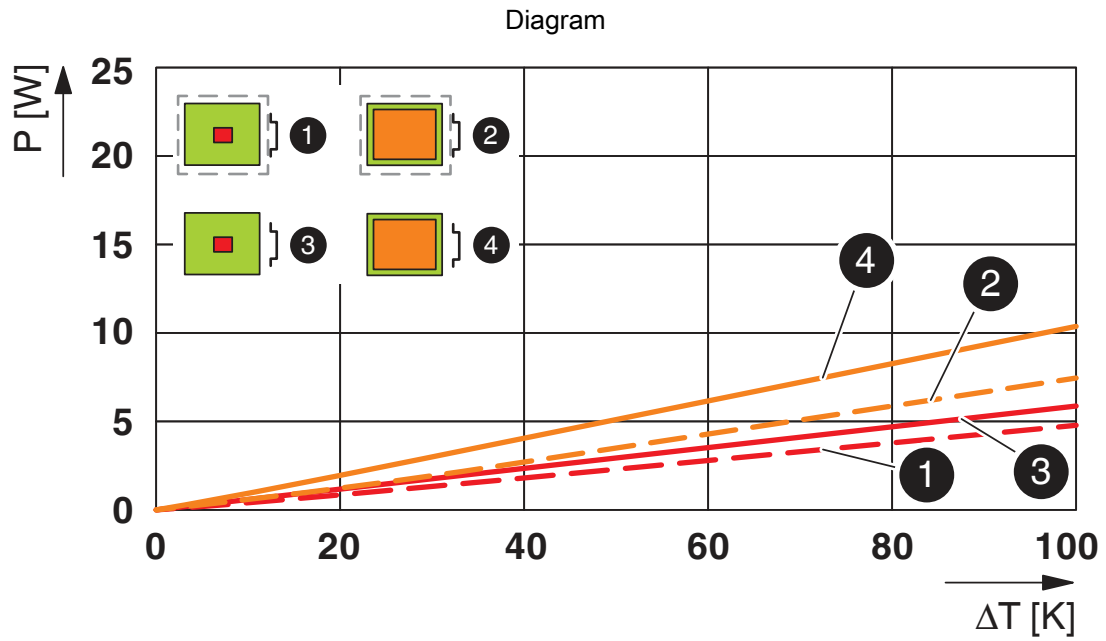# ICS25-B77X75-O-7035 - Mounting base housing

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Dimensional drawing
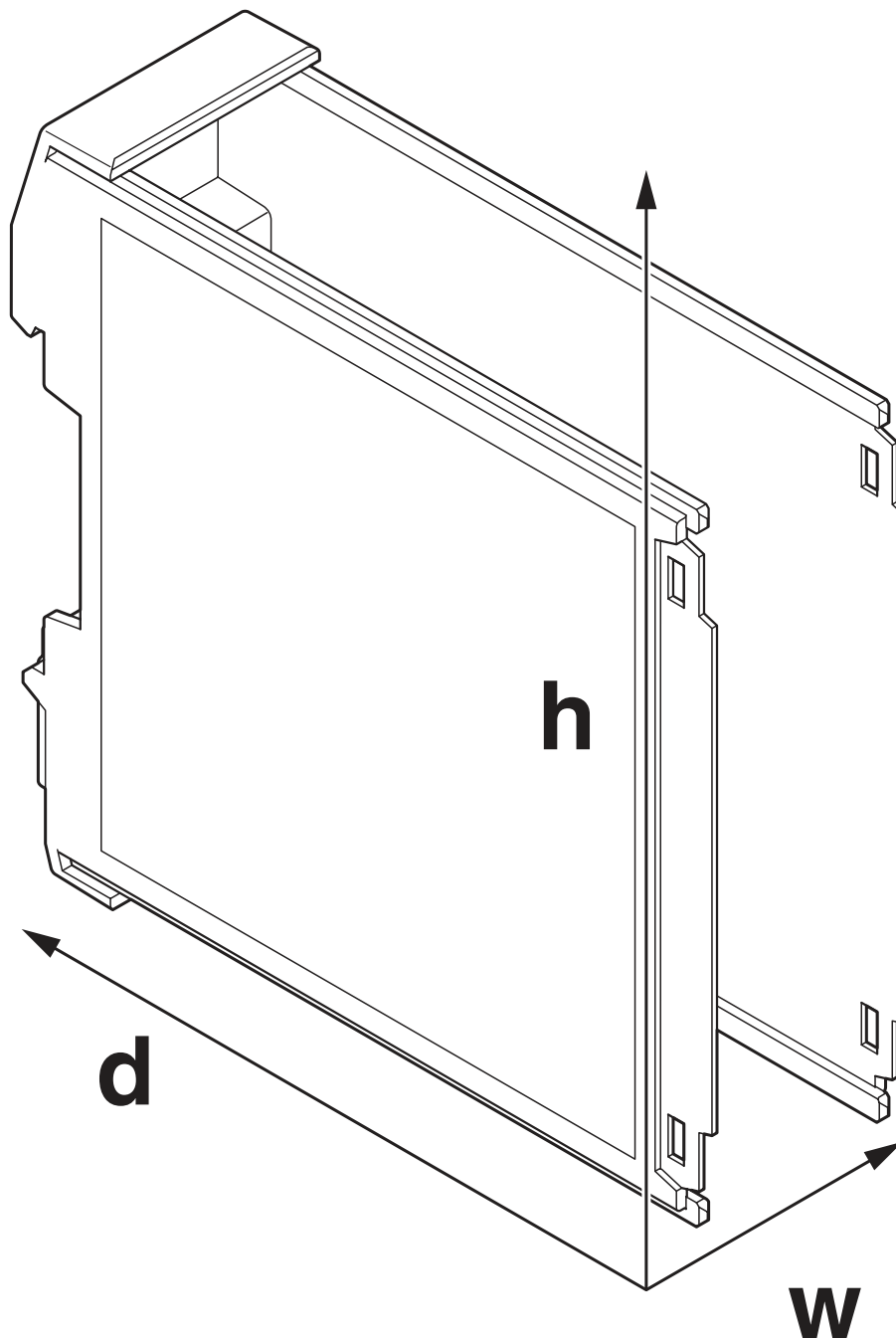
Schematic figure for illustrating the item dimensions. The figure is not of the desired product. For further details, refer to the product drawings in the "Downloads" tab.

Diagram

Power dissipation diagram for 0 K ... 100 K

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Classifications

ECLASS

ECLASS-11.0	27182702
ECLASS-13.0	27190601

ETIM

ETIM 8.0	EC001031

UNSPSC

UNSPSC 21.0	31261500

Environmental product compliance

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

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Accessories

ICS-FE-CONTACT - Functional ground contact

2203904

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

Functional ground contact, for ICS series electronics housings

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

2203902

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

PCB headers, nominal cross section: 2.5 mm^2, 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

ICS25-B77X75-O-7035 - Mounting base housing

2203876

https://www.phoenixcontact.com/us/products/2203876

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

2203903

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

PCB headers, nominal cross section: 2.5 mm^2, 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

ICC25-H/5L3,5-7035 - PCB header

1084018

https://www.phoenixcontact.com/us/products/1084018

PCB headers, color: light grey, nominal current: 8 A, rated voltage (III/2): 150 V, contact surface: Tin, contact connection type: Pin, number of potentials: 5, number of rows: 1, number of positions: 5, number of connections: 5, product range: ICC..-H/..L3,5, pitch: 3.5 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 2.8 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

ICS25-B77X75-O-7035 - Mounting base housing

2203876

https://www.phoenixcontact.com/us/products/2203876

ICC25-H/5R3,5-7035 - PCB header

1084017

https://www.phoenixcontact.com/us/products/1084017

PCB headers, color: light grey, nominal current: 8 A, rated voltage (III/2): 150 V, contact surface: Tin, contact connection type: Pin, number of potentials: 5, number of rows: 1, number of positions: 5, number of connections: 5, product range: ICC..-H/..R3,5, pitch: 3.5 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 2.8 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

ICS25-F22A6-7035 - Connection plate

1287369

https://www.phoenixcontact.com/us/products/1287369

DIN rail housing, ICS filler, with antenna function cutout, width: 25 mm, height: 7.25 mm, depth: 22.4 mm, color: light grey (7035)

ICS25-B77X75-O-7035 - Mounting base housing

2203876

https://www.phoenixcontact.com/us/products/2203876

ICS25-F22A-7035 - Connection plate

2203894

https://www.phoenixcontact.com/us/products/2203894

DIN rail housing, ICS filler, with antenna function cutout, width: 25 mm, height: 7.
25 mm, depth: 22.4 mm, color: light grey (7035)

ICS25-F22J-7035 - Connection plate

2203895

https://www.phoenixcontact.com/us/products/2203895

DIN rail housing, ICS filler, with RJ45 function cutout, width: 25 mm, height: 7.25
mm, depth: 22.4 mm, color: light grey (7035)

ICS25-B77X75-O-7035 - Mounting base housing

2203876

https://www.phoenixcontact.com/us/products/2203876

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 grey (7035)

ICS25-F22U-7035 - Connection plate

1053046

https://www.phoenixcontact.com/us/products/1053046

DIN rail housing, ICS filler, with USB function cutout, width: 25 mm, height: 7.25 mm, depth: 22.4 mm, color: light grey (7035)

ICS25-B77X75-O-7035 - Mounting base housing

2203876

https://www.phoenixcontact.com/us/products/2203876

ICS25-F22V-7035 - Connection plate

1079495

https://www.phoenixcontact.com/us/products/1079495

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

ICS25-F45D15-7035 - Connection plate

2203896

https://www.phoenixcontact.com/us/products/2203896

DIN rail housing, ICS filler, with D-SUB 15 function cutout, width: 25 mm, height: 7.25 mm, depth: 44.9 mm, color: light grey (7035)

ICS25-B77X75-O-7035 - Mounting base housing

2203876

https://www.phoenixcontact.com/us/products/2203876

ICS25-F45D9-7035 - Connection plate

1053054

https://www.phoenixcontact.com/us/products/1053054

DIN rail housing, ICS filler, with D-SUB 9 function cutout, width: 25 mm, height: 7.25 mm, depth: 44.9 mm, color: light grey (7035)

ICS25-F45S-7035 - Connection plate

2203891

https://www.phoenixcontact.com/us/products/2203891

DIN rail housing, ICS filler, closed, width: 25 mm, height: 7.25 mm, depth: 44.9 mm, color: light grey (7035)

ICS25-B77X75-O-7035 - Mounting base housing

2203876

https://www.phoenixcontact.com/us/products/2203876

ICS25-F45V-7035 - Connection plate

1079492

https://www.phoenixcontact.com/us/products/1079492

DIN rail housing, ICS filler, with vents, width: 25 mm, height: 7.25 mm, depth: 44.9 mm, color: light grey (7035)

ICS25-F67S-7035 - Connection plate

1287434

https://www.phoenixcontact.com/us/products/1287434

DIN rail housing, ICS filler, closed, width: 25 mm, height: 7.25 mm, depth: 67.3 mm, color: light grey (7035)

ICS25-B77X75-O-7035 - Mounting base housing

2203876

https://www.phoenixcontact.com/us/products/2203876

ICS25-F67V-7035 - Connection plate

1287409

https://www.phoenixcontact.com/us/products/1287409

DIN rail housing, ICS filler, with vents, width: 25 mm, height: 7.25 mm, depth: 67.3 mm, color: light grey (7035)

ICS MOUNTING DEVICE - Assembly tool

1118354

https://www.phoenixcontact.com/us/products/1118354

Equipment for fast, serial-production attachment of printed circuit boards in ICS 20 and ICS 25 housings

ICS25-B77X75-O-7035 - Mounting base housing

2203876

https://www.phoenixcontact.com/us/products/2203876

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

2202891

https://www.phoenixcontact.com/us/products/2202891

DIN rail connector, color: light grey, nominal current: 6 A (parallel contacts), rated voltage (III/2): 32 V, number of positions: 8, 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/us/products/2202890

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, 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

ICS25-B77X75-O-7035 - Mounting base housing

2203876

https://www.phoenixcontact.com/us/products/2203876

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

2202895

https://www.phoenixcontact.com/us/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, 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/us/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, 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

ICS25-B77X75-O-7035 - Mounting base housing

2203876

https://www.phoenixcontact.com/us/products/2203876

ICS25-C77X12-7035 - Upper part of housing

1019703

https://www.phoenixcontact.com/us/products/1019703

DIN rail housing, Upper part, closed, width: 25 mm, height: 77.5 mm, depth: 14.35 mm, color: light grey (7035)

ICS25-TL77X12-7035 - Upper part of housing

1019570

https://www.phoenixcontact.com/us/products/1019570

DIN rail housing, Upper part, with transparent hinged cover, width: 25 mm, height: 78.5 mm, depth: 14.35 mm, color: light grey (7035)

ICS25-B77X75-O-7035 - Mounting base housing

2203876

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

2202344

https://www.phoenixcontact.com/us/products/2202344

PCB connector, nominal cross section: 2.5 mm^2, color: light grey, nominal current: 16 A, rated voltage (III/2): 300 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: PSPT 2,5/..-ST, pitch: 5 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, locking clip: - Locking clip, locking: without, mounting: without, type of packaging: packed in cardboard, Color of the spring lever: orange

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

2200332

https://www.phoenixcontact.com/us/products/2200332

PCB connector, nominal cross section: 2.5 mm^2, color: light grey, nominal current: 16 A, rated voltage (III/2): 320 V, contact surface: Tin, contact connection type: Socket, number of rows: 1, number of positions: 4, product range: MSTBT 2,5 HC/..-STP, pitch: 5 mm, connection method: Screw connection with tension sleeve, conductor/PCB connection direction: 0 °, locking clip: - Locking clip, plug-in system: COMBICON MSTB 2,5 HC, locking: without, mounting: without