

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

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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 |  4 055626 465562 |
| 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) |

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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 |
| Dimensions | 25 mm x 100 mm x 110 mm (Lower housing part with upper housing part) |

Material data

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

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 |
|---------------------|-------|

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Technical data

Power dissipation, single housing at 50 °C

| | |
|-------------------|----------|
| Reduction factor | 0.53 |
| 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

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Technical data

Test for substances that would hinder coating with paint or varnish

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

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 |
|----------------------------------------|----|

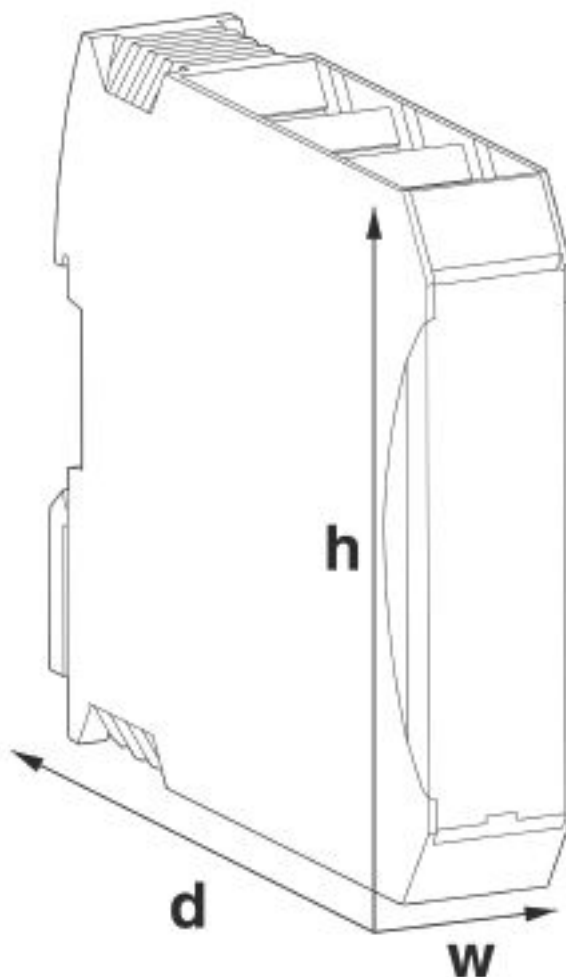
Environmental Product Compliance

| | |
|------------|---------------------------------------------------------|
| 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 |

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Classifications

ETIM

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

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

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)

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Accessories

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)

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)

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Accessories

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, nominal current: 6 A, rated voltage (III/2): 32 V, number of positions: 8, pitch: 2.54 mm, color: light gray, mounting: DIN rail, Item with gold-plated contacts, bus connectors for connecting with electronics housings, 8 parallel contacts

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



DIN rail connector, nominal current: 6 A, rated voltage (III/2): 32 V, number of positions: 8, pitch: 2.54 mm, color: light gray, mounting: DIN rail, Item with gold-plated contacts, bus connectors for connecting with electronics housings, 7 parallel contacts/1 serial contact

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



DIN rail connector, nominal current: 6 A, rated voltage (III/2): 32 V, number of positions: 8, pitch: 2.54 mm, color: light gray, mounting: DIN rail, Item with gold-plated contacts, bus connectors for connecting with electronics housings, 6 parallel contacts/2 serial contacts

PCB headers

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

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Accessories

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 mm², 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, nominal current: 16 A, rated voltage (III/2): 320 V, nominal cross section: 2.5 mm², number of positions: 4, pitch: 5 mm, connection method: Screw connection with tension sleeve, color: light gray, contact surface: Tin

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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>

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