

2278872

<https://www.phoenixcontact.com/us/products/2278872>

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DIN rail housing, Upper housing part for PCB terminal blocks with screw connection, width: 17.6 mm, height: 99 mm, depth: 45.85 mm, color: green (similar RAL 6021)



Your advantages

- Tool-free mounting
- Available in overall widths from 12.5 mm ... 90 mm, modular extension is possible
- Flammability rating V0 in accordance with UL 94
- Variety of connection technology
- Can be mounted on the DIN rail
- With integrated or DIN-rail-mountable bus connector as an option

Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 2278872                        |
| Packing unit                         | 10 pc                          |
| Minimum order quantity               | 10 pc                          |
| Note                                 | Made to order (non-returnable) |
| Product key                          | ACHAAD                         |
| Catalog page                         | Page 670 (C-1-2013)            |
| GTIN                                 | 4046356328760                  |
| Weight per piece (including packing) | 12.1 g                         |
| Weight per piece (excluding packing) | 12.1 g                         |
| Country of origin                    | DE                             |

# ME 17,5 OTU-MKDSO GN - Upper housing part



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## Technical data

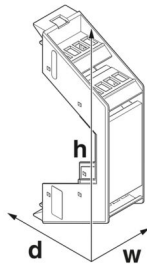
### Notes

|               |                                                             |
|---------------|-------------------------------------------------------------|
| Assembly note | Refer to the data sheet for the range in the download area. |
|---------------|-------------------------------------------------------------|

### Product properties

|                              |                                                                  |
|------------------------------|------------------------------------------------------------------|
| Product type                 | Upper housing part                                               |
| Housing type                 | DIN rail housing                                                 |
| Housing series               | ME                                                               |
| Max. number of positions     | 16 (pitch: 3.5 mm)<br>12 (pitch: 5 mm)                           |
| Type                         | Upper housing part for PCB terminal blocks with screw connection |
| Ventilation openings present | no                                                               |

### Dimensions

|                                 |                                                                                      |
|---------------------------------|--------------------------------------------------------------------------------------|
| Dimensional drawing             |  |
| Width                           | 17.6 mm                                                                              |
| Height                          | 99 mm                                                                                |
| Depth                           | 45.85 mm                                                                             |
| Depth from base support surface | 38.5 mm                                                                              |

### PCB design

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

### Material specifications

|                                        |                  |
|----------------------------------------|------------------|
| Color                                  | green (6021)     |
| Color (Housing)                        | green (RAL 6021) |
| Flammability rating according to UL 94 | V0               |
| CTI according to IEC 60112             | 600              |
| Housing material                       | Polyamide        |
| Surface characteristics                | untreated        |

### Environmental and real-life conditions

#### Vibration test

|               |                       |
|---------------|-----------------------|
| Specification | IEC 60068-2-6:2007-12 |
| Frequency     | 10 - 150 - 10 Hz      |

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|                        |                             |
|------------------------|-----------------------------|
| 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 60998-1:2002-12 |
| Height of fall | 50 cm               |
| Frequency      | 10                  |

## Shocks

|                                |                                   |
|--------------------------------|-----------------------------------|
| Specification                  | IEC 60068-2-27:2008-02            |
| Pulse shape                    | Half-sine                         |
| Acceleration                   | 15g                               |
| Shock duration                 | 11 ms                             |
| Number of shocks per direction | 3                                 |
| Test directions                | X-, Y- and Z-axis (pos. and neg.) |

## Degree of protection (IP code)

|               |                                                   |
|---------------|---------------------------------------------------|
| Specification | IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:2013-08 |
|---------------|---------------------------------------------------|

## 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 %                                               |

## PCB data

|                       |                   |
|-----------------------|-------------------|
| Number of PCB holders | 1                 |
| Type of PCB mount     | Slot              |
| Thickness of the PCB  | 1.4 mm ... 1.8 mm |

## Mounting

|               |                                  |
|---------------|----------------------------------|
| Mounting type | Latching with lower housing part |
|---------------|----------------------------------|

# ME 17,5 OTU-MKDSO GN - Upper housing part



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|                   |                                |
|-------------------|--------------------------------|
| Mounting position | Vertical (horizontal DIN rail) |
|-------------------|--------------------------------|

## Packaging specifications

|                      |                     |
|----------------------|---------------------|
| Type of packaging    | packed in cardboard |
| Outer packaging type | Carton              |

# ME 17,5 OTU-MKDSO GN - Upper housing part

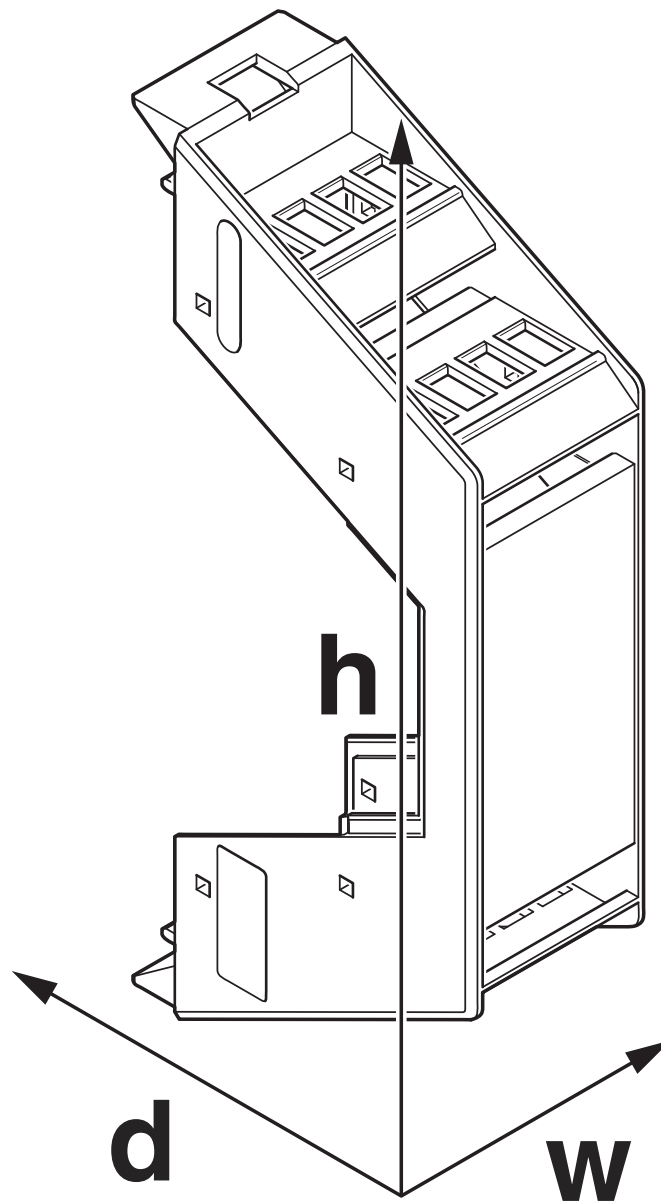
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## Drawings

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.

# ME 17,5 OTU-MKDSO GN - Upper housing part



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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27182702 |
| ECLASS-13.0 | 27190603 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC001031 |
|----------|----------|

### UNSPSC

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

# ME 17,5 OTU-MKDSO GN - Upper housing part



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## 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%               |

# ME 17,5 OTU-MKDSO GN - Upper housing part



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## Mandatory accessories

### MKDSO 2,5/ 3-R - PCB terminal block

1707218

<https://www.phoenixcontact.com/us/products/1707218>



PCB terminal block, nominal current: 24 A, rated voltage (III/2): 400 V, nominal cross section: 2.5 mm<sup>2</sup>, number of potentials: 3, number of rows: 1, number of positions per row: 3, product range: MKDSO 2,5/...-R, pitch: 5 mm, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green, Pin layout: Linear pinning, Solder pin [P]: 3.5 mm, number of solder pins per potential: 1, type of packaging: packed in cardboard. Product with pin output on right side

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### MKDSO 2,5/ 3-L - PCB terminal block

1707221

<https://www.phoenixcontact.com/us/products/1707221>



PCB terminal block, nominal current: 24 A, rated voltage (III/2): 400 V, nominal cross section: 2.5 mm<sup>2</sup>, number of potentials: 3, number of rows: 1, number of positions per row: 3, product range: MKDSO 2,5/...-L, pitch: 5 mm, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green, Pin layout: Linear pinning, Solder pin [P]: 3.5 mm, number of solder pins per potential: 1, type of packaging: packed in cardboard. Product with pin output on left side



## ME 17,5 OTU-MKDSO GN - Upper housing part

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## ME 17,5 UT/FE GN - Mounting base housing

2906924

<https://www.phoenixcontact.com/us/products/2906924>



DIN rail housing, Lower housing part with metal foot catch, with FE contact, tall design, with vents, width: 17.6 mm, height: 99 mm, depth: 107.3 mm, color: green (similar RAL 6021), cross connection: without bus connector, number of positions cross connector: not relevant

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## ME 17,5 UT GN - Mounting base housing

2906775

<https://www.phoenixcontact.com/us/products/2906775>



DIN rail housing, Lower housing part with metal foot catch, tall design, with vents, width: 17.6 mm, height: 99 mm, depth: 107.3 mm, color: green (similar RAL 6021), cross connection: without bus connector, number of positions cross connector: not relevant

# ME 17,5 OTU-MKDSO GN - Upper housing part

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## ME 17,5 UT BUS 10+2 GN - Mounting base housing

2697657

<https://www.phoenixcontact.com/us/products/2697657>



DIN rail housing, Lower housing part with metal foot catch, tall design, with vents, width: 17.6 mm, height: 99 mm, depth: 107.3 mm, color: green (similar RAL 6021), cross connection: integrated bus connector, number of positions cross connector: 10+2, Bus connector: 10 parallel contacts, 2 serial contacts

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## ME 17,5 UT/FE BUS/10 GN - Mounting base housing

2908731

<https://www.phoenixcontact.com/us/products/2908731>



DIN rail housing, Lower housing part with metal foot catch, with FE contact, tall design, with vents, width: 17.6 mm, height: 99 mm, depth: 107.3 mm, cross connection: integrated bus connector, number of positions cross connector: 10, Bus connector: 10 parallel contacts

# ME 17,5 OTU-MKDSO GN - Upper housing part

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## ME 17,5 UT/FE BUS/ 5 GN - Mounting base housing

2908728

<https://www.phoenixcontact.com/us/products/2908728>



DIN rail housing, Lower housing part with metal foot catch, with FE contact, tall design, with vents, width: 17.6 mm, height: 99 mm, depth: 107.3 mm, cross connection: integrated bus connector, number of positions cross connector: 5, Bus connector: 5 parallel contacts

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## ME 17,5 UT/FE BUS/ 5+2 GN - Mounting base housing

2854186

<https://www.phoenixcontact.com/us/products/2854186>



DIN rail housing, Lower housing part with metal foot catch, with FE contact, tall design, with vents, width: 17.6 mm, height: 99 mm, depth: 107.3 mm, color: green, (6021), cross connection: integrated bus connector, number of positions cross connector: 5+2, Bus connector: 5 parallel contacts, 2 serial contacts

# ME 17,5 OTU-MKDSO GN - Upper housing part

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## ME 17,5 UT TBUS GN - Mounting base housing

2709516

<https://www.phoenixcontact.com/us/products/2709516>



DIN rail housing, Lower housing part with metal foot catch, tall design, with vents, width: 17.6 mm, height: 99 mm, depth: 107.3 mm, color: green (similar RAL 6021), cross connection: DIN rail connector (optional), number of positions cross connector: 5

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## ME 17,5 UT/FE BUS/10+2 GN - Mounting base housing

2854199

<https://www.phoenixcontact.com/us/products/2854199>



DIN rail housing, Lower housing part with metal foot catch, with FE contact, tall design, with vents, width: 17.6 mm, height: 99 mm, depth: 107.3 mm, color: green (similar RAL 6021), cross connection: integrated bus connector, number of positions cross connector: 10+2, Bus connector: 10 parallel contacts, 2 serial contacts

## ME 17,5 OTU-MKDSO GN - Upper housing part

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## ME 17,5 UTG TBUS GN - Mounting base housing

2709529

<https://www.phoenixcontact.com/us/products/2709529>



DIN rail housing, Lower housing part with metal foot catch, tall design, without vents, width: 17.6 mm, height: 99 mm, depth: 107.3 mm, color: green (similar RAL 6021), cross connection: DIN rail connector (optional), number of positions cross connector: 5

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## ME 17,5 UTG GN - Mounting base housing

2906788

<https://www.phoenixcontact.com/us/products/2906788>



DIN rail housing, Lower housing part with metal foot catch, tall design, without vents, width: 17.6 mm, height: 99 mm, depth: 107.3 mm, color: green (similar RAL 6021), cross connection: without bus connector, number of positions cross connector: not relevant

# ME 17,5 OTU-MKDSO GN - Upper housing part

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## ME 17,5 UTG/FE GN - Mounting base housing

2906937

<https://www.phoenixcontact.com/us/products/2906937>



DIN rail housing, Lower housing part with metal foot catch, with FE contact, tall design, without vents, width: 17.6 mm, height: 99 mm, depth: 107.3 mm, color: green (similar RAL 6021), cross connection: without bus connector, number of positions cross connector: not relevant

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## Accessories

### ME B-17,5 MKDSO GN - Filler plug

2906885

<https://www.phoenixcontact.com/us/products/2906885>



DIN rail housing, Filler plug for unoccupied terminal points (MKDSO), width: 16 mm, height: 17.05 mm, depth: 8.55 mm, color: green (similar RAL 6021)

# ME 17,5 OTU-MKDSO GN - Upper housing part



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## HS LC-H-D3/ R1XC1 - Fiber optic

2202313

<https://www.phoenixcontact.com/us/products/2202313>

Multiple light guides, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)



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## HS LC-H-5X2/ R1XC1 - Fiber optic

2202314

<https://www.phoenixcontact.com/us/products/2202314>

Single light guide, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)



# ME 17,5 OTU-MKDSO GN - Upper housing part



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## HS LC-H-D3/ R2XC1-5,08 - Fiber optic

2202315

<https://www.phoenixcontact.com/us/products/2202315>

Multiple light guides, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)



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## HS LC-H-D2/ R2XC1-2,54 - Fiber optic

2202316

<https://www.phoenixcontact.com/us/products/2202316>

Multiple light guides with glare protection, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)





# ME 17,5 OTU-MKDSO GN - Upper housing part



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## HS LC-H-D2/ R2XC2-2,54 - Fiber optic

2202317

<https://www.phoenixcontact.com/us/products/2202317>



Multiple light guides with glare protection, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

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## HS LC-H-D2/ R2XC5-2,54 - Fiber optic

2202318

<https://www.phoenixcontact.com/us/products/2202318>



Multiple light guides with glare protection, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

# ME 17,5 OTU-MKDSO GN - Upper housing part



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## HS LC-H-D2/ R2XC10-2,54 - Fiber optic

2202319

<https://www.phoenixcontact.com/us/products/2202319>

Multiple light guides with glare protection, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)



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## HS LC-H-D2C/ R2XC1-2,54 - Fiber optic

1036658

<https://www.phoenixcontact.com/us/products/1036658>

Multiple light guides with glare protection, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)



# ME 17,5 OTU-MKDSO GN - Upper housing part



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## HS LC-H-D2C/ R2XC2-2,54 - Fiber optic

1043044

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Multiple light guides with glare protection, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

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## HS LC-H-D2C/ R2XC5-2,54 - Fiber optic

1071310

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Multiple light guides with glare protection, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

# ME 17,5 OTU-MKDSO GN - Upper housing part



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## HS LC-H-D2C/ R2XC10-2,54 - Fiber optic

1071314

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Multiple light guides with glare protection, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)



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