# Upper part of housing - ME 12,5 OT-FKDSO KMGY - 2200321

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DIN rail housing, Upper housing part for PCB terminal blocks with Push-in spring connection, width: 12.6 mm, height: 99 mm, depth: 45.85 mm, color: light gray (7035)

## Your advantages

- Item is from the ME product range
- Tool-free mounting
- Available in overall widths from 12.5 mm to 90 mm, modular extension is possible
- Inflammability class V0 according to UL 94
- Variety of connection technologies
- Can be mounted on the DIN rail
- Optional bus connector that is either integrated or mounted on the DIN rail

RoHS IP20

## Key Commercial Data

| | |
|---|---|
| Packing unit | 10 pc |
| Minimum order quantity | 10 pc |
| GTIN | 4 046356 563864 |
| GTIN | 4046356563864 |

## Technical data

### Item properties

| | |
|---|---|
| Brief article description | Upper part of housing |
| Type | ME 12,5 OT-FKDSO KMGY |
| Order No. | 2200321 |
| Housing type | DIN rail housing |
| Type | Upper housing part for PCB terminal blocks with Push-in spring connection |
| Max. IP code to attain | IP20 |
| Mounting type | Latching with lower housing part |
| Connection levels | 2 (Both sides) |

# Upper part of housing - ME 12,5 OT-FKDSO KMGY - 2200321

## Technical data

### Item properties

| | |
|---|---|
| Max. number of positions | 8 (pitch: 5 mm) |

### Dimensions

| | |
|---|---|
| Width [ w ] | 12.6 mm |
| Height [ h ] | 99 mm |
| Depth [ d ] | 45.85 mm |
| Depth from base support surface [d] | 38.5 mm |

### 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 | 1 |
| PCB thickness | 1.4 mm ... 1.8 mm |
| Mounting position | Vertical (horizontal DIN rail) |
| Type of PCB mount | Latching |

### Power dissipation, single housing at 20 °C

| | |
|---|---|
| Ambient temperature | 20 °C |

### Mechanical strength/tumbling barrel

| | |
|---|---|
| Specification | IEC 60998-1:2002-12 |
| Height of fall | 50 cm |
| Number of drop cycles | 10 |

### 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 | Half-sine |

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## Technical data

### Shock

| | |
|---|---|
| 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 N |

### Test for assessing the risk of fire (glow wire)

| | |
|---|---|
| Specification | DIN EN 60695-2-11 (VDE 0471-2-11):2014-11 |
| Temperature | 850 °C |
| Time of exposure | 30 s |

### 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 |

### 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 |

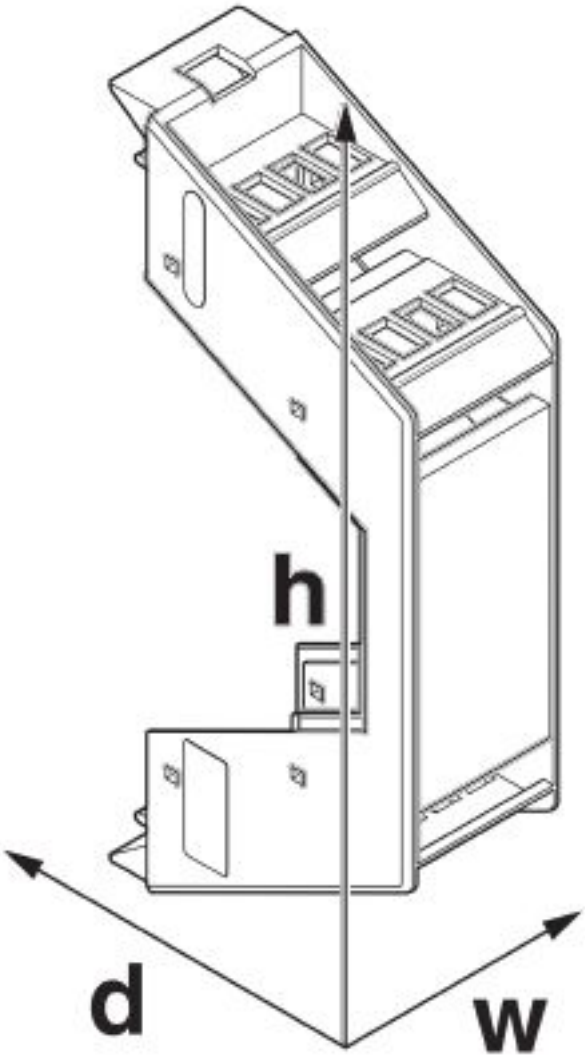
### Environmental Product Compliance

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

## Drawings

# Upper part of housing - ME 12,5 OT-FKDSO KMGY - 2200321

Dimensional drawing




## Classifications

### eCl@ss

| | |
|---|---|
| eCl@ss 10.0.1 | 27182702 |
| eCl@ss 4.0 | 27180400 |
| eCl@ss 4.1 | 27180400 |
| eCl@ss 5.0 | 27180500 |
| eCl@ss 5.1 | 27180500 |
| eCl@ss 6.0 | 27180800 |
| eCl@ss 7.0 | 27182702 |
| eCl@ss 8.0 | 27182702 |
| eCl@ss 9.0 | 27182702 |

# Upper part of housing - ME 12,5 OT-FKDSO KMGY - 2200321

## Classifications

### ETIM

| | |
|---|---|
| ETIM 2.0 | EC001031 |
| ETIM 3.0 | EC001031 |
| ETIM 4.0 | EC001031 |
| ETIM 5.0 | EC001031 |
| ETIM 6.0 | EC001031 |
| ETIM 7.0 | EC001031 |

### UNSPSC

| | |
|---|---|
| UNSPSC 6.01 | 31261501 |
| UNSPSC 7.0901 | 31261501 |
| UNSPSC 11 | 31261501 |
| UNSPSC 12.01 | 31261501 |
| UNSPSC 13.2 | 31261501 |
| UNSPSC 18.0 | 31261501 |
| UNSPSC 19.0 | 31261501 |
| UNSPSC 20.0 | 31261501 |
| UNSPSC 21.0 | 31261501 |

## Approvals

### Approvals

Approvals

EAC

Ex Approvals

### Approval details

| | | |
|---|---|---|
| EAC | EAC | B.01687 |

## Accessories

### Accessories

### Fiber optic

# Upper part of housing - ME 12,5 OT-FKDSO KMGY - 2200321

## Accessories

Fiber optic - HS LC-H-D3/ R1XC1 - 2202313

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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Fiber optic - HS LC-H-5X2/ R1XC1 - 2202314

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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Fiber optic - HS LC-H-D3/ R2XC1-5,08 - 2202315

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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Fiber optic - HS LC-H-D2/ R2XC1-2,54 - 2202316

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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Fiber optic - HS LC-H-D2/ R2XC2-2,54 - 2202317

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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# Upper part of housing - ME 12,5 OT-FKDSO KMGY - 2200321

## Accessories

Fiber optic - HS LC-H-D2/ R2XC5-2,54 - 2202318

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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Fiber optic - HS LC-H-D2/ R2XC10-2,54 - 2202319

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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Fiber optic - HS LC-H-D2C/ R2XC1-2,54 - 1036658

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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Fiber optic - HS LC-H-D2C/ R2XC2-2,54 - 1043044

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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Fiber optic - HS LC-H-D2C/ R2XC5-2,54 - 1071310

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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# Upper part of housing - ME 12,5 OT-FKDSO KMGY - 2200321

## Accessories

Fiber optic - HS LC-H-D2C/ R2XC10-2,54 - 1071314

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

## Filler plug

Filler plugs - ME B-12,5 FKDSO KMGY - 2200565

DIN rail housing, Filler plug for unoccupied terminal points, height: 16.9 mm, depth: 11.85 mm, color: light gray (7035)

## Necessary add-on products

PCB terminal block - FKDSO 2,5/ 2-L KMGY - 2200315

PCB terminal block, nominal current: 22 A, rated voltage (III/2): 250 V, nominal cross section: 2.5 mm², pitch: 5 mm, number of positions: 2, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: light gray, Pin layout: Linear pinning, Solder pin [P]: 3.5 mm. Article with lateral pin exit

PCB terminal block - FKDSO 2,5/ 2-R KMGY - 2200316

PCB terminal block, nominal current: 22 A, rated voltage (III/2): 250 V, nominal cross section: 2.5 mm², pitch: 5 mm, number of positions: 2, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: light gray, Pin layout: Linear pinning, Solder pin [P]: 3.5 mm. Article with lateral pin exit

Mounting base housing - ME 12,5 UT KMGY - 2869430

DIN rail housing, Lower housing part with metal foot catch, tall design, with vents, width: 12.6 mm, height: 99 mm, depth: 107.3 mm, cross connection: without bus connector, number of positions cross connector: not relevant, color: light gray (7035)

# Upper part of housing - ME 12,5 OT-FKDSO KMGY - 2200321

## Accessories

Mounting base housing - ME 12,5 UTG KMGY - 2854762

DIN rail housing, Lower housing part with metal foot catch, tall design, without vents, width: 12.6 mm, height: 99 mm, depth: 107.3 mm, cross connection: without bus connector, number of positions cross connector: not relevant, color: light gray (7035)

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Mounting base housing - ME 12,5 UT/FE KMGY - 2202695

DIN rail housing, Lower housing part with metal foot catch, tall design, with vents, width: 12.6 mm, height: 99 mm, depth: 107.3 mm, cross connection: without bus connector, number of positions cross connector: not relevant, color: light gray (7035)

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Mounting base housing - ME 12,5 UTG/FE KMGY - 2202696

DIN rail housing, Lower housing part with metal foot catch, tall design, without vents, width: 12.6 mm, height: 99 mm, depth: 107.3 mm, cross connection: without bus connector, number of positions cross connector: not relevant, color: light gray (7035)

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