# Mounting base housing - ME 22,5 UT TBUS KMGY - 2869524

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DIN rail housing, Lower housing part with metal foot catch, tall design, with vents, width: 22.6 mm, height: 99 mm, depth: 107.3 mm, cross connection: DIN rail connector (optional), number of positions cross connector: 5, 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

## Key Commercial Data

| | |
|---|---|
| Packing unit | 10 pc |
| GTIN | 4 017918 937010 |
| GTIN | 4017918937010 |

## Technical data

### Item properties

| | |
|---|---|
| Brief article description | Mounting base housing |
| Type | ME 22,5 UT TBUS KMGY |
| Order No. | 2869524 |
| Housing type | DIN rail housing |
| Type | Lower housing part with metal foot catch, tall design |
| Max. IP code to attain | IP20 |
| Mounting type | DIN rail mounting |
| Ventilation openings present | yes |

### Dimensions

# Mounting base housing - ME 22,5 UT TBUS KMGY - 2869524

## Technical data

### Dimensions

| | |
|---|---|
| Width [ w ] | 22.6 mm |
| Height [ h ] | 99 mm |
| Depth [ d ] | 107.3 mm |
| Depth from top edge of DIN rail [ d ] | 99.8 mm |
| Depth from top edge of DIN rail to support point on upper part [ d ] | 68.5 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 |
| Reduction factor | 1 |
| Mounting position | vertical |
| Power dissipation | 6.1 W |

### Power dissipation, single housing at 30 °C

| | |
|---|---|
| Ambient temperature | 30 °C |
| Reduction factor | 0.91 |
| Mounting position | vertical |
| Power dissipation | 5.5 W |

### Power dissipation, single housing at 40 °C

| | |
|---|---|
| Ambient temperature | 40 °C |
| Reduction factor | 0.81 |
| Mounting position | vertical |
| Power dissipation | 4.9 W |

### Power dissipation, single housing at 50 °C

| | |
|---|---|
| Ambient temperature | 50 °C |
| Reduction factor | 0.7 |
| Mounting position | vertical |

# Mounting base housing - ME 22,5 UT TBUS KMGY - 2869524

## Technical data

### Power dissipation, single housing at 50 °C

| | |
|---|---|
| Power dissipation | 4.3 W |

### Power dissipation, single housing at 60 °C

| | |
|---|---|
| Ambient temperature | 60 °C |
| Reduction factor | 0.57 |
| Mounting position | vertical |
| Power dissipation | 3.5 W |

### 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 |
| 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 |

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## Technical data

### 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 |

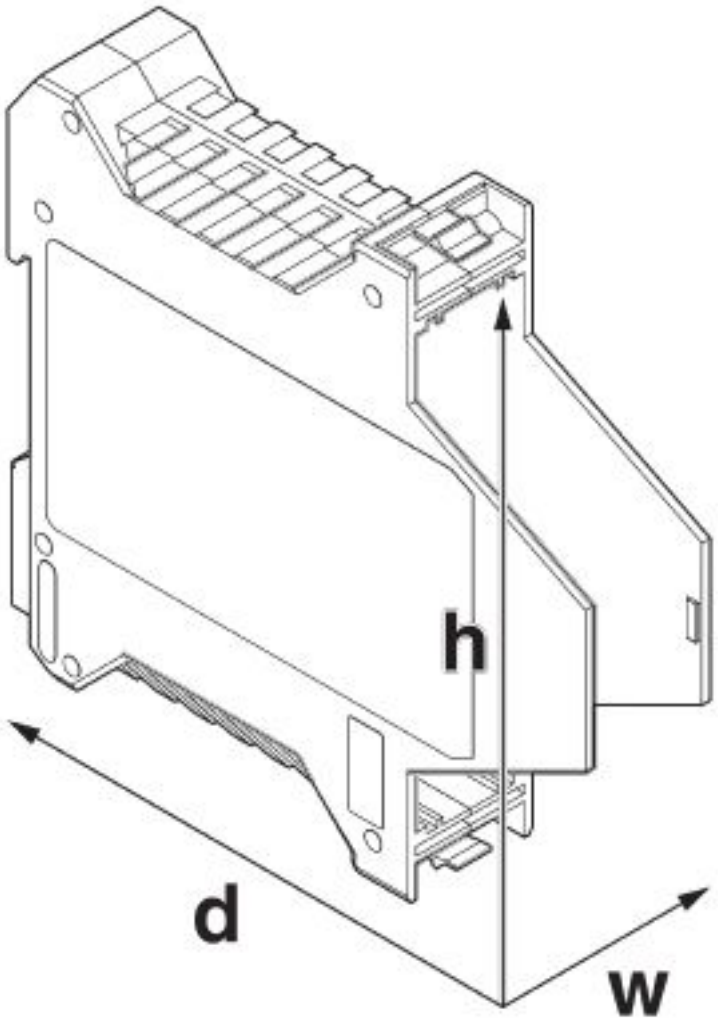
### Environmental Product Compliance

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

## Drawings

# Mounting base housing - ME 22,5 UT TBUS KMGY - 2869524

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 |

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## 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

Device marking

# Mounting base housing - ME 22,5 UT TBUS KMGY - 2869524

## Accessories

Label for ME ... UT ... TBUS ... housing - EML (44X72)R-ME - 0828143



Label for ME ... UT ... TBUS ... housing, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, THERMOMARK ROLL X1, THERMOMARK ROLL 2.0, THERMOMARK ROLL, mounting type: adhesive, lettering field size: 44 x 72 mm

### Mounting material

PCB stop - ME LPZS - 2906911



DIN rail housing, PCB stop, color: silver

Base latch - ME MF 17,5 - 2908281



Metal foot catch, for intermediate elements.

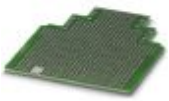
Shield connection clamp - ME-SAS - 2853899



Shield connection clamp for printed circuit terminal block

### PCB

PCB - ME LP - 2906908



PCB, for custom fitting, with contact to DIN rail (EN 60715)

### Necessary add-on products

# Mounting base housing - ME 22,5 UT TBUS KMGY - 2869524

## Accessories

Upper part of housing - ME 22,5 OT-MSTBO KMGY - 2907761



DIN rail housing, Upper housing part for connectors with header, width: 22.6 mm, height: 99 mm, depth: 45.85 mm, color: light gray (7035)

Upper part of housing - ME 22,5 OT-FKDSO KMGY - 2200323



DIN rail housing, Upper housing part for PCB terminal blocks with Push-in spring connection, width: 22.6 mm, height: 99 mm, depth: 45.85 mm, color: light gray (7035)

Upper part of housing - ME 22,5 OT-MKDSO KMGY - 2908469



DIN rail housing, Upper housing part for PCB terminal blocks with screw connection, width: 22.6 mm, height: 99 mm, depth: 45.85 mm, color: light gray (7035)

Upper part of housing - ME 22,5 OTU-MKDSO KMGY - 2278953



DIN rail housing, Upper housing part for PCB terminal blocks with screw connection, width: 22.6 mm, height: 99 mm, depth: 45.85 mm, color: light gray (7035)

Upper part of housing - ME 22,5 OT-1MSTBO KMGY - 2914877



DIN rail housing, Upper housing part for connectors with header, width: 22.6 mm, height: 99 mm, depth: 45.85 mm, color: light gray (7035)

# Mounting base housing - ME 22,5 UT TBUS KMGY - 2869524

## Accessories

Upper part of housing - ME 22,5 OT-3MSTBO KMGY - 2914880



DIN rail housing, Upper housing part for connectors with header, width: 22.6 mm, height: 102 mm, depth: 60.15 mm, color: light gray (7035)

Upper part of housing - ME 22,5 OTP-MSTBO PS KMGY - 2279282



DIN rail housing, Upper housing part for connectors with header, width: 22.6 mm, height: 99 mm, depth: 45.85 mm, color: light gray (7035)

Upper part of housing - ME 22,5 OT-MKDSO SET KMGY - 2853734



DIN rail housing, Set consisting of upper housing part and connection technology, width: 22.6 mm, height: 99 mm, depth: 45.85 mm, color: light gray (7035)

Upper part of housing - ME 22,5 OT-MSTBO KMGY VPE200 - 2896801



DIN rail housing, Upper housing part for connectors with header, width: 22.6 mm, height: 99 mm, depth: 45.85 mm, color: light gray (7035)

Upper part of housing - ME 22,5 OT-MSTBO SET KMGY - 2709244



DIN rail housing, Set consisting of upper housing part and connection technology, width: 22.6 mm, height: 99 mm, depth: 45.85 mm, color: light gray (7035)

# Mounting base housing - ME 22,5 UT TBUS KMGY - 2869524

## Accessories

DIN rail bus connectors - ME 22,5 TBUS 1,5/ 5-ST-3,81 KMGY - 2713722



DIN rail connector, nominal current: 8 A, rated voltage (III/2): 125 V, number of positions: 5, pitch: 3.81 mm, color: light gray, contact surface: Gold, mounting: DIN rail, Item with gold-plated contacts, bus connectors for connecting with electronics housings, 5 parallel contacts

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DIN rail bus connectors - ME 22,5 TBUS 1,5/4P1S KMGY - 2201732



DIN rail connector, nominal current: 8 A, rated voltage (III/2): 50 V, number of positions: 5, pitch: 3.81 mm, color: light gray, mounting: DIN rail, Item with gold-plated contacts, bus connectors for connecting with electronics housings, 4 parallel contacts/1 serial contact

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DIN rail bus connectors - ME 22,5 TBUS ADAPTER KMGY - 2201756



DIN rail bus adapter for ME and ME-MAX, design width: 22.5 mm, 5 parallel positions, color: light gray (similar to RAL 7035)

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