

## Mounting base housing - ME 22,5 UT/FE BUS/ 5+2 KMGY - 2201856

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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: integrated bus connector, number of positions cross connector: 5+2, 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                                                                                                   |
| Minimum order quantity               | 10 pc                                                                                                   |
| GTIN                                 | <br>4 046356 990653 |
| GTIN                                 | 4046356990653                                                                                           |
| Weight per Piece (excluding packing) | 55.240 g                                                                                                |
| Custom tariff number                 | 85369010                                                                                                |
| Country of origin                    | Germany                                                                                                 |
| Note                                 | Made to Order (non-returnable)                                                                          |

### Technical data

#### Item properties

|                           |                             |
|---------------------------|-----------------------------|
| Brief article description | Mounting base housing       |
| Type                      | ME 22,5 UT/FE BUS/ 5+2 KMGY |
| Order No.                 | 2201856                     |
| Housing type              | DIN rail housing            |

# Mounting base housing - ME 22,5 UT/FE BUS/ 5+2 KMGY - 2201856

## Technical data

### Item properties

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

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

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

### 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 |

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### Technical data

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

|                   |       |
|-------------------|-------|
| Power dissipation | 4.9 W |
|-------------------|-------|

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

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

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### Technical data

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

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

|                                        |     |
|----------------------------------------|-----|
| Connection in acc. with standard       | CUL |
| Flammability rating according to UL 94 | V0  |

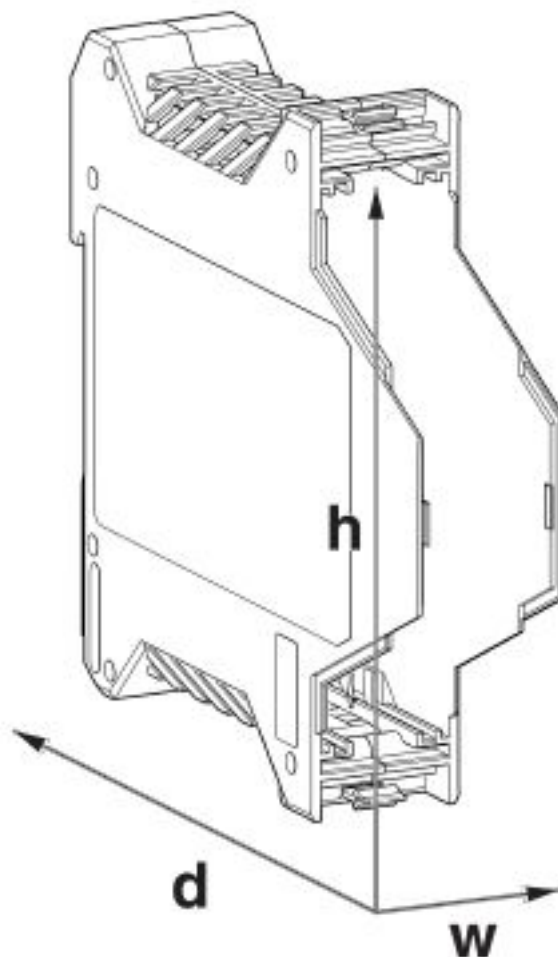
#### Environmental Product Compliance

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

### Drawings

## Mounting base housing - ME 22,5 UT/FE BUS/ 5+2 KMGY - 2201856

Dimensional drawing



### Classifications

eCl@ss

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

ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC000886 |
| ETIM 5.0 | EC001031 |

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### Classifications

#### ETIM

|          |          |
|----------|----------|
| ETIM 6.0 | EC001031 |
| ETIM 7.0 | EC001031 |

#### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 13.2 | 31261501 |
| UNSPSC 18.0 | 31261501 |
| UNSPSC 19.0 | 31261501 |
| UNSPSC 20.0 | 31261501 |
| UNSPSC 21.0 | 31261501 |

### Approvals

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cUL Recognized / EAC / cULus Recognized

#### Ex Approvals

#### Approval details

|                    |                                                                                     |                                                                                                                                                       |              |
|--------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| cUL Recognized     |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 60425 |
|                    | B                                                                                   | D                                                                                                                                                     |              |
| Nominal voltage UN | 300 V                                                                               | 300 V                                                                                                                                                 |              |
| Nominal current IN | 8 A                                                                                 | 8 A                                                                                                                                                   |              |

|     |                                                                                     |         |
|-----|-------------------------------------------------------------------------------------|---------|
| EAC |  | B.01742 |
|-----|-------------------------------------------------------------------------------------|---------|

|                  |                                                                                     |
|------------------|-------------------------------------------------------------------------------------|
| cULus Recognized |  |
|------------------|-------------------------------------------------------------------------------------|

### Accessories

#### Accessories

Filler plug

## Mounting base housing - ME 22,5 UT/FE BUS/ 5+2 KMGY - 2201856

### Accessories

Cover - ME B-KA KMGY - 2706302



Terminal cover, 1 strip covers up to 12 terminal points, for ME-BUS terminal opening, (male side)

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Cover - ME B-SA/NS 35 KMGY - 2706700



Terminal cover, 1 strip covers up to 12 terminal points, for ME-BUS male side, (female side)

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### Mounting material

Components of electronic housing - ME LPZS - 2906911



Component housing, PCB stop

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Components of electronic housing - ME DH 27 NS 35 KMGY - 2706289



Spacers, for protection of the input or output contacts for DIN rail NS 35, width [B] 27 mm

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Components of electronic housing - ME DH 36 NS 35 KMGY - 2706292



Spacers, for protection of the input or output contacts for DIN rail NS 35, width [B] 36 mm

## Mounting base housing - ME 22,5 UT/FE BUS/ 5+2 KMGY - 2201856

### Accessories

End clamp - E/ME TBUS NS35 GY - 2713780



End clamp, stable construction for DIN rail bus connector

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### PCB plug

Printed-circuit board connector - MCVR 1,5/ 5-ST-3,81 GY7035 AU - 1719684



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 5, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, color: light gray, contact surface: Gold

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Printed-circuit board connector - MC 1,5/ 5-ST-3,81 GY7035 AU - 1719697



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 5, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, color: light gray, contact surface: Gold, pin layout: Linear three-way pinning

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Printed-circuit board connector - IMC 1,5/ 5-ST-3,81 GY7035 AU - 1719707



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 5, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, color: light gray, contact surface: Gold

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Printed-circuit board connector - MC 1,5/ 2-ST-3,81 BK - 1827635



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 2, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, color: black, contact surface: Tin, pin layout: Linear three-way pinning



# Mounting base housing - ME 22,5 UT/FE BUS/ 5+2 KMGY - 2201856

## Accessories

### Printed-circuit board connector - MC 1,5/ 2-ST-3,81 GY - 1894244



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 2, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, color: gray, contact surface: Tin, pin layout: Linear three-way pinning

### Printed-circuit board connector - IMC 1,5/ 2-ST-3,81 GY7035 - 1708376



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 2, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, color: light gray, contact surface: Tin

### Printed-circuit board connector - IMC 1,5/ 2-ST-3,81 BK - 1766954



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 2, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, color: black, contact surface: Tin

## Necessary add-on products

### 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)

## Mounting base housing - ME 22,5 UT/FE BUS/ 5+2 KMGY - 2201856

### Accessories

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)

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)