

## Electronic housing - ME MAX 17,5 3-U1 KMGY - 2201536

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DIN rail housing, Complete housing with metal foot catch, tall design, with vents, width: 17.6 mm, height: 99 mm, depth: 113.65 mm, color: light gray (7035), cross connection: DIN rail connector (optional), number of positions cross connector: 5

### Your advantages

- ✓ Easy mounting
- ✓ Available in overall widths from 6.2 mm to 90 mm, modular extension is possible
- ✓ Variety of connection technologies
- ✓ Can be mounted on the DIN rail
- ✓ Optional with bus connector for DIN rail mounting as well as power connection system



### Key Commercial Data

|                      |   |
|----------------------|---|
| Packing unit         | 1   |
| GTIN                 | <br>4 046356 840927 |
| GTIN                 | 4046356840927   |
| Custom tariff number | 85389099  |

### Technical data

#### Item properties

|                           |   |
|---------------------------|---|
| Brief article description | Electronic housing                                  |
| Type                      | ME MAX 17,5 3-U1 KMGY                               |
| Order No.                 | 2201536   |
| Housing type              | DIN rail housing                                    |
| Housing series            | ME-MAX  |
| Range of articles         | ME MAX 3-U1   |
| Type                      | Complete housing with metal foot catch, tall design |

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## Technical data

### Item properties

|                              |                           |
|------------------------------|---------------------------|
| Max. IP code to attain       | IP20                      |
| Mounting type                | DIN rail mounting         |
| Number of levels             | 1                         |
| Connection levels            | 3 (Top) / 1 (Bottom)      |
| Ventilation openings present | yes                       |
| Max. number of positions     | 16 (pitch: 3.5 mm)        |
|                              | 12 (pitch: 5 mm)          |
|                              | 8 (pitch: 7.25 mm/7.5 mm) |

### Dimensions

|                                       |  |
|---------------------------------------|--|
| Caption                               | Schematic representation - for further information, see product drawing in the Download Center |
| Width [ w ]                           | 17.6 mm  |
| Height [ h ]                          | 99 mm  |
| Depth [ d ]                           | 113.65 mm  |
| Depth from top edge of DIN rail [ d ] | 107.02 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   | 5.2 W    |

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

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

|                     |          |
|---------------------|----------|
| Ambient temperature | 30 °C    |
| Reduction factor    | 0.91     |
| Mounting position   | vertical |
| Power dissipation   | 4.7 W    |

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

|                     |          |
|---------------------|----------|
| Ambient temperature | 40 °C    |
| Reduction factor    | 0.81     |
| Mounting position   | vertical |
| Power dissipation   | 4.2 W    |

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

|                     |          |
|---------------------|----------|
| Ambient temperature | 50 °C    |
| Reduction factor    | 0.7      |
| Mounting position   | vertical |
| Power dissipation   | 3.6 W    |

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

|                     |          |
|---------------------|----------|
| Ambient temperature | 60 °C    |
| Reduction factor    | 0.57     |
| Mounting position   | vertical |
| Power dissipation   | 3 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                    |

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#### Shock

|                                |                                   |
|--------------------------------|-----------------------------------|
| Shock duration                 | 11 ms                             |
| Number of shocks per direction | 3                                 |
| Test directions                | X-, Y- and Z-axis (pos. and neg.) |

#### 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 |
|--|----|

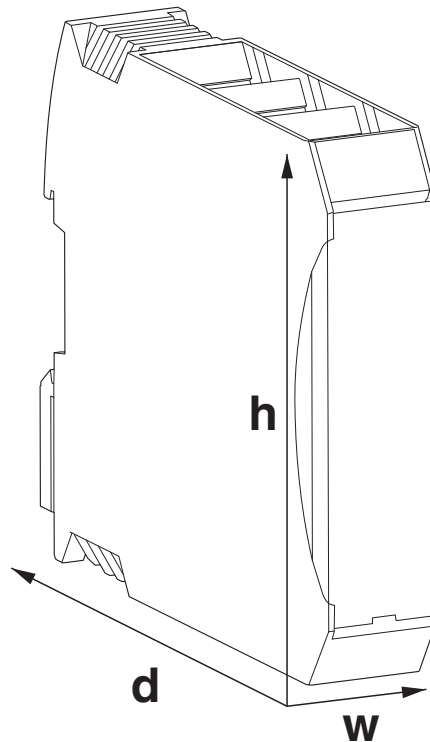
#### Environmental Product Compliance

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

### Drawings

## Electronic housing - ME MAX 17,5 3-U1 KMGY - 2201536

Dimensional drawing



Schematic representation - for further information, see product drawing in the Download Center

### Classifications

eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27182702 |
| eCl@ss 11.0   | 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 9.0    | 27182702 |

ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001031 |
|----------|----------|

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#### ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | 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

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#### Approvals

#### UL Recognized

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#### Ex Approvals

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#### Approval details

|               |   |   |               |
|---------------|---|---|---------------|
| UL 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 240868 |
|---------------|---|---|---------------|