

Electronic housing - ME MAX 12,5 3-3 KMGY - 2914084

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DIN rail housing, Complete housing with metal foot catch, tall design, with vents, width: 12.5 mm, height: 99 mm, depth: 114.5 mm, color: light gray (7035)

Your advantages

- Item is from the ME-MAX product range
- Easy mounting
- Available in overall widths from 6.2 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 with bus connector for DIN rail mounting as well as power connection system



Key Commercial Data

| | |
|------------------------|---------------|
| Packing unit | 10 pc |
| Minimum order quantity | 10 pc |
| GTIN | |
| GTIN | 4017918950354 |

Technical data

Item properties

| | |
|---------------------------|---|
| Brief article description | Electronic housing |
| Type | ME MAX 12,5 3-3 KMGY |
| Order No. | 2914084 |
| Housing type | DIN rail housing |
| Housing series | ME-MAX |
| Type | Complete housing with metal foot catch, tall design |
| Max. IP code to attain | IP20 |
| Mounting type | DIN rail mounting |

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Technical data

Item properties

| | |
|------------------------------|--------------------|
| Number of levels | 3 |
| Connection levels | 3 (Both sides) |
| Ventilation openings present | yes |
| Max. number of positions | 18 (pitch: 3.5 mm) |
| | 12 (pitch: 5 mm) |

Dimensions

| | |
|---------------------------------------|----------|
| Width [w] | 12.5 mm |
| Height [h] | 99 mm |
| Depth [d] | 114.5 mm |
| Depth from top edge of DIN rail [d] | 107 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 |
| 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 | 4.4 W |

Power dissipation, single housing at 30 °C

| | |
|---------------------|----------|
| Ambient temperature | 30 °C |
| Reduction factor | 0.91 |
| Mounting position | vertical |
| Power dissipation | 4 W |

Power dissipation, single housing at 40 °C

| | |
|---------------------|----------|
| Ambient temperature | 40 °C |
| Reduction factor | 0.81 |
| Mounting position | vertical |
| Power dissipation | 3.6 W |

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Technical data

Power dissipation, single housing at 50 °C

| | |
|---------------------|----------|
| Ambient temperature | 50 °C |
| Reduction factor | 0.7 |
| Mounting position | vertical |
| Power dissipation | 3.1 W |

Power dissipation, single housing at 60 °C

| | |
|---------------------|----------|
| Ambient temperature | 60 °C |
| Reduction factor | 0.57 |
| Mounting position | vertical |
| Power dissipation | 2.5 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.) |

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

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Packaging information

| | |
|----------------------------|--------|
| Pieces per package | 10 |
| Denomination packing units | Pcs. |
| Outer packaging type | Carton |

Standards and regulations

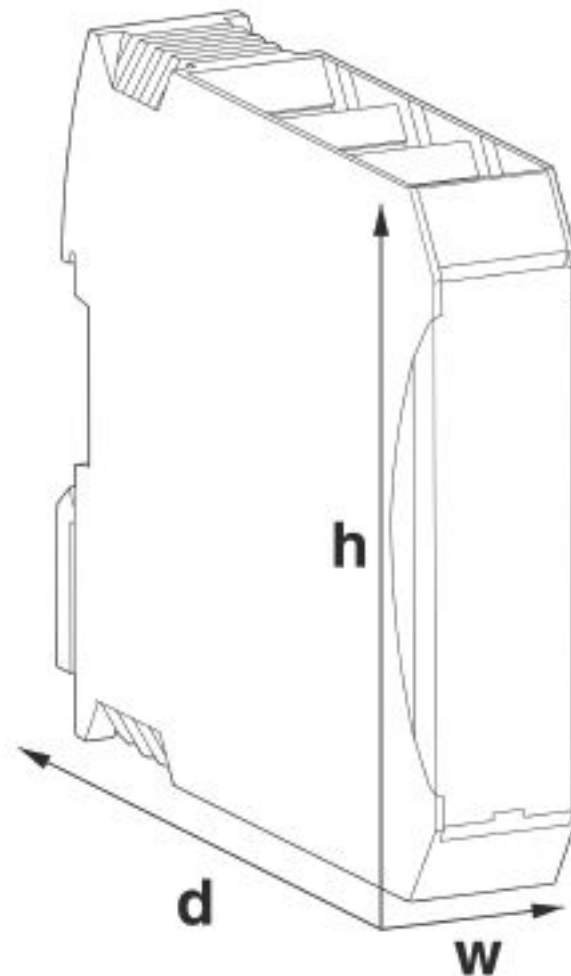
| | |
|--|----|
| Flammability rating according to UL 94 | V0 |
|--|----|

Environmental Product Compliance

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

Drawings

Dimensional drawing



Electronic housing - ME MAX 12,5 3-3 KMGY - 2914084

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 |

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

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Approvals

EAC



B.01687

Accessories

Accessories

Filler plug

Filler plugs - ME MAX B-12,5 KMGY - 2914660



DIN rail housing, Filler plug for unoccupied terminal points, width: 11 mm, height: 21.6 mm, color: light gray (7035)

Ground contact

Functional ground contact - ME FE-CONTACT - 2908294



DIN rail housing, FE contact with soldering lug, width: 5 mm, height: 15.25 mm, depth: 9.5 mm, color: silver

Functional ground contact - ME BUS FE CONTACT - 2278076



DIN rail housing, FE contact, width: 5 mm, height: 15.25 mm, depth: 9.5 mm, color: silver

Necessary add-on products

Feed-through header - MCO 1,5/ 3-G1L-3,5 KMGY - 2278319



PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm², number of positions: 3, pitch: 3.5 mm, color: light gray, contact surface: Tin, mounting: Soldering, pin layout: Linear pinning, solder pin [P]: 3.5 mm, Article with lateral pin exit

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Accessories

Feed-through header - MCO 1,5/ 3-G1R-3,5 KMGY - 2278322



PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm², number of positions: 3, pitch: 3.5 mm, color: light gray, contact surface: Tin, mounting: Soldering, pin layout: Linear pinning, solder pin [P]: 3.5 mm, Article with lateral pin exit

Feed-through header - MSTBO 2,5/ 2-G1PL GY7035 - 2200330



PCB headers, number of positions: 2, pitch: 5 mm, color: light gray, contact surface: Tin, pin layout: Linear pinning

Feed-through header - MSTBO 2,5/ 2-G1PR GY7035 - 2200331



PCB headers, number of positions: 2, pitch: 5 mm, color: light gray, contact surface: Tin, pin layout: Linear pinning

Feed-through header - MSTBO 2,5/ 2-G1L KMGY - 2854788



PCB headers, number of positions: 2, pitch: 5 mm, color: light gray, contact surface: Tin, pin layout: Linear pinning, solder pin [P]: 3.5 mm

Feed-through header - MSTBO 2,5/ 2-G1R KMGY - 2854791



PCB headers, number of positions: 2, pitch: 5 mm, color: light gray, contact surface: Tin, pin layout: Linear pinning, solder pin [P]: 3.5 mm, Article with lateral pin exit

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Accessories

Feed-through header - MSTBO 2,5/ 2-G1L THRR32 BK - 2200251



PCB headers, number of positions: 2, pitch: 5 mm, color: black, contact surface: Tin, pin layout: Linear pinning, solder pin [P]: 3.5 mm

Feed-through header - MSTBO 2,5/ 2-G1R THRR32 BK - 2200252



PCB headers, number of positions: 2, pitch: 5 mm, color: black, contact surface: Tin, pin layout: Linear pinning, solder pin [P]: 3.5 mm, Article with lateral pin exit

PCB terminal block - MKDSO 1,5/ 3-L-3,5 KMGY - 2278445



PCB terminal block, pitch: 3.5 mm, number of positions: 3, color: light gray, Pin layout: Linear pinning, Solder pin [P]: 3 mm. Article with lateral pin exit

PCB terminal block - MKDSO 1,5/ 3-R-3,5 KMGY - 2278458



PCB terminal block, pitch: 3.5 mm, number of positions: 4, color: light gray, Pin layout: Linear pinning, Solder pin [P]: 3 mm. Article with lateral pin exit

PCB terminal block - MKDSO 2,5/ 2-L KMGY - 2915261



PCB terminal block, nominal current: 24 A, rated voltage (III/2): 400 V, nominal cross section: 2.5 mm², pitch: 5 mm, number of positions: 2, connection method: Screw connection with tension sleeve, 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

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Accessories

PCB terminal block - MKDSO 2,5/ 2-R KMGY - 2915258



PCB terminal block, nominal current: 24 A, rated voltage (III/2): 400 V, nominal cross section: 2.5 mm², pitch: 5 mm, number of positions: 2, connection method: Screw connection with tension sleeve, 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-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

Printed-circuit board connector - MC 1,5/ 3-ST-3,5 GY7035 - 1769061



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm², number of positions: 3, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, color: light gray, contact surface: Tin

Printed-circuit board connector - PSPT 2,5/ 2-ST KMGY - 2202346



PCB connector, nominal current: 16 A, rated voltage (III/2): 300 V, nominal cross section: 2.5 mm², number of positions: 2, pitch: 5 mm, connection method: Push-in spring connection, color: light gray, contact surface: Tin, Color of the spring lever: orange

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Accessories

Printed-circuit board connector - MSTBT 2,5 HC/ 2-STP GY7035 - 2200334



PCB connector, nominal current: 16 A, rated voltage (III/2): 320 V, nominal cross section: 2.5 mm², number of positions: 2, pitch: 5 mm, connection method: Screw connection with tension sleeve, color: light gray, contact surface: Tin

Feed-through header - MSTBO 2,5/ 2-G1L KMGY AU - 1077603



PCB headers, number of positions: 2, pitch: 5 mm, color: light gray, contact surface: Gold, pin layout: Linear pinning

Feed-through header - MSTBO 2,5/ 2-G1R KMGY AU - 1077604



PCB headers, number of positions: 2, pitch: 5 mm, color: light gray, contact surface: Gold, pin layout: Linear pinning, Article with lateral pin exit

Feed-through header - MSTBO 2,5/ 2-G1L THRR32 BK AU - 1077609



PCB headers, number of positions: 2, pitch: 5 mm, color: black, contact surface: Gold, pin layout: Linear pinning, solder pin [P]: 2.5 mm, Article with lateral pin exit

Feed-through header - MSTBO 2,5/ 2-G1R THRR32 BK AU - 1077610



PCB headers, number of positions: 2, pitch: 5 mm, color: black, contact surface: Gold, pin layout: Linear pinning, solder pin [P]: 2.5 mm, Article with lateral pin exit

Feed-through header - MSTBO 2,5/ 2-G1L BU AU - 2203943

PCB headers

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Accessories

Feed-through header - MSTBO 2,5/ 2-G1R BU AU - 2203944

PCB headers

Additional products

DIN rail bus connectors - ME 6,2 TBUS-2 1,5/5-ST-3,81KMGY - 2969401



DIN rail bus connector for potential bridging of devices arranged next to one another across all modules.

Contact strip - ME TBUS PST 1,5/ 5-3,81 - 2279033



Contact strip for DIN rail connector

Contact strip - ME TBUS PST 1,5/ 5-3,81 THRR32 - 2914369



Contact strip for DIN rail connector

End clamp - E/ME TBUS NS35 GY - 2713780



End clamp, stable construction for DIN rail bus connector

Plug - MC 1,5/ 5-ST-3,81 AU - 1860883



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm², number of positions: 5, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Gold, pin layout: Linear three-way pinning

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Accessories

Printed-circuit board connector - IMC 1,5/ 5-ST-3,81 - 1857919



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm², number of positions: 5, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

Coding section - CR MSTBO-G1 - 2199618



Coding section, inserted into the recess in the header or the inverted plug, red insulating material

Shield connection clamp - ME-SAS - 2853899



Shield connection clamp for printed circuit terminal block

Filler plugs - ME MAX TBUS BS KMGY - 2199650



DIN rail housing, Filler plugs for TBUS recess, width: 5.8 mm, height: 30 mm, depth: 6.6 mm, color: light gray (7035)

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