

## Electronic housing - ME MAX 12,5 G 3-3 TBUS KMGY - 2279017

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



DIN rail housing, Complete housing with metal foot catch, tall design, with TBUS option, without 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	4046356180597

### Technical data

#### Item properties

Brief article description	Electronic housing
Type	ME MAX 12,5 G 3-3 TBUS KMGY
Order No.	2279017
Housing type	DIN rail housing
Housing series	ME-MAX
Type	Complete housing with metal foot catch, tall design, with TBUS option
Max. IP code to attain	IP20
Mounting type	DIN rail mounting

# Electronic housing - ME MAX 12,5 G 3-3 TBUS KMGY - 2279017

## Technical data

### Item properties

Number of levels	3
Connection levels	3 (Both sides)
Ventilation openings present	no
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
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	3.9 W

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

Ambient temperature	30 °C
Reduction factor	0.91
Mounting position	vertical
Power dissipation	3.55 W

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

Ambient temperature	40 °C
Reduction factor	0.81
Mounting position	vertical

# Electronic housing - ME MAX 12,5 G 3-3 TBUS KMGY - 2279017

## Technical data

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

Power dissipation	3.16 W
-------------------	--------

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

Ambient temperature	50 °C
Reduction factor	0.7
Mounting position	vertical
Power dissipation	2.73 W

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

Ambient temperature	60 °C
Reduction factor	0.57
Mounting position	vertical
Power dissipation	2.2 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)

## Electronic housing - ME MAX 12,5 G 3-3 TBUS KMGY - 2279017

### Technical data

#### 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 12,5 G 3-3 TBUS KMGY - 2279017

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

# Electronic housing - ME MAX 12,5 G 3-3 TBUS KMGY - 2279017

## 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		B.01687
-----	---	---------

## Accessories

Accessories

Filler plug

## Electronic housing - ME MAX 12,5 G 3-3 TBUS KMGY - 2279017

### Accessories

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 mm<sup>2</sup>, 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 - 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 mm<sup>2</sup>, 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

## Electronic housing - ME MAX 12,5 G 3-3 TBUS KMGY - 2279017

### Accessories

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

---

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

---



## Electronic housing - ME MAX 12,5 G 3-3 TBUS KMGY - 2279017

### Accessories

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 mm<sup>2</sup>, 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 - 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 mm<sup>2</sup>, 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

---

## Electronic housing - ME MAX 12,5 G 3-3 TBUS KMGY - 2279017

### Accessories

#### 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 mm<sup>2</sup>, 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 mm<sup>2</sup>, 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 mm<sup>2</sup>, 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 mm<sup>2</sup>, 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

#### 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 mm<sup>2</sup>, number of positions: 2, pitch: 5 mm, connection method: Screw connection with tension sleeve, color: light gray, contact surface: Tin

## Electronic housing - ME MAX 12,5 G 3-3 TBUS KMGY - 2279017

### Accessories

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

---

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

PCB headers

---

### Additional products

## Electronic housing - ME MAX 12,5 G 3-3 TBUS KMGY - 2279017

### Accessories

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 mm<sup>2</sup>, 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

---

## Electronic housing - ME MAX 12,5 G 3-3 TBUS KMGY - 2279017

### 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 mm<sup>2</sup>, 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)



Phoenix Contact 2020 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for* [Enclosures, Boxes & Cases](#) *category:*

*Click to view products by* [Phoenix Contact](#) *manufacturer:*

Other Similar products are found below :

[585-R-WH-PK](#) [M-10-PLATED](#) [60221-01](#) [60566-01-000](#) [HPL-9VB BATT DOOR](#) [M18-PLTD](#) [M-21-PLATED](#) [63310-01-000](#) [6711GSKT](#)  
[71884-29-028](#) [LH45-100 Black](#) [72868-510-000](#) [CNS-0000 Black](#) [72883-510-000](#) [CNS-0101 Black](#) [72906-510-000](#) [CNS-0407 Black](#) [73092-](#)  
[510-000](#) [CNM-0101 Black](#) [73105-510-000](#) [CNL-0101 Black](#) [73108-510-000](#) [CNL-0303 Black](#) [73395-510-039](#) [CNS-0006 Bone](#) [74257-510-000](#)  
[CNL-0004](#) [MDC-1183-PLAIN-ALUM](#) [MDC-1183-PTD](#) [MDC-13104-PTD](#) [MDC-321-PTD](#) [MDC-973-PTD](#) [76](#) [77153-01-028](#) [FLX6030](#)  
[83535-01-508](#) [90026-501-000](#) [PS36-200](#) [116-508](#) [120-407](#) [120-910](#) [127-908](#) [130-008](#) [1301170079](#) [1322GSKTEP](#) [1325GSKT3](#) [1434-1210](#)  
[EAS-500 \(BLACK ANO\)](#) [1804RP-RB-PK](#) [190-005](#) [2202307](#) [KAB3321 BLACK](#) [KAB3421](#) [2697466](#) [S52213](#) [2901123](#) [2901699](#) [A0645271](#)  
[A20P20](#) [2106-IR](#) [PERF-850-PLN](#)