

## Electronic housing - ME MAX 12,5 G 3-3 KMGY - 2914097

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DIN rail housing, Complete housing with metal foot catch, tall design, without vents, width: 12.6 mm, height: 99 mm, depth: 113.65 mm, color: light gray (7035), cross connection: without bus connector, number of positions cross connector: not relevant

### 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 pc
Minimum order quantity	10 pc
GTIN	
GTIN	4017918950361
Weight per Piece (excluding packing)	56.000 g
Custom tariff number	85389099
Country of origin	Germany

### Technical data

#### Item properties

Brief article description	Electronic housing
Type	ME MAX 12,5 G 3-3 KMGY
Order No.	2914097
Housing type	DIN rail housing

# Electronic housing - ME MAX 12,5 G 3-3 KMGY - 2914097

## Technical data

### Item properties

Housing series	ME-MAX
Range of articles	ME MAX...3-3
Type	Complete housing with metal foot catch, tall design
Max. IP code to attain	IP20
Mounting type	DIN rail mounting
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

Caption	Schematic representation - for further information, see product drawing in the Download Center
Width [ w ]	12.6 mm
Height [ h ]	99 mm
Depth [ d ]	113.65 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

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### Technical data

#### Power dissipation, single housing at 20 °C

Power dissipation	3.9 W
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#### 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
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

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### Technical data

#### 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
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

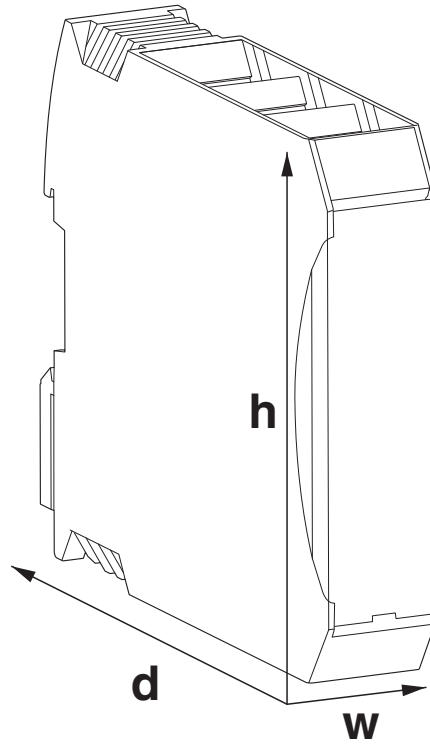
#### Environmental Product Compliance

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

### Drawings

# Electronic housing - ME MAX 12,5 G 3-3 KMGY - 2914097

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 2.0	EC001031
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# Electronic housing - ME MAX 12,5 G 3-3 KMGY - 2914097

## Classifications

### ETIM

ETIM 3.0	EC001031
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

Approvals

EAC / UL Recognized

Ex Approvals

### Approval details

EAC		B.01687
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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
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## Accessories

### Accessories

## Electronic housing - ME MAX 12,5 G 3-3 KMGY - 2914097

### 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)

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#### 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

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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

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### Necessary add-on products

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



PCB header, nominal cross section: 1.5 mm<sup>2</sup>, color: light gray, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Tin, type of contact: Male connector, number of potentials: 3, Number of rows: 1, Number of positions per row: 3, number of connections: 3, product range: MCO 1,5/...-G1L, pitch: 3.5 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.5 mm, Locking: without, type of packaging: packed in cardboard, Product with pin output on left side

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## Electronic housing - ME MAX 12,5 G 3-3 KMGY - 2914097

### Accessories

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



PCB header, nominal cross section: 1.5 mm<sup>2</sup>, color: light gray, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Tin, type of contact: Male connector, number of potentials: 3, Number of rows: 1, Number of positions per row: 3, number of connections: 3, product range: MCO 1,5/..-G1R, pitch: 3.5 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.5 mm, Locking: without, type of packaging: packed in cardboard, Product with pin output on right side

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



PCB header, nominal cross section: 2.5 mm<sup>2</sup>, color: light gray, nominal current: 16 A, rated voltage (III/2): 320 V, contact surface: Tin, type of contact: Male connector, number of potentials: 2, Number of rows: 1, Number of positions per row: 2, number of connections: 2, product range: MSTBO 2,5/..-G1PL, pitch: 5 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.5 mm, Locking: without, type of packaging: packed in cardboard, Product with pin output on left side

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



PCB header, nominal cross section: 2.5 mm<sup>2</sup>, color: light gray, nominal current: 16 A, rated voltage (III/2): 320 V, contact surface: Tin, type of contact: Male connector, Number of rows: 1, Number of positions per row: 2, product range: MSTBO 2,5/..-G1PR, pitch: 5 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.5 mm, Locking: without, type of packaging: packed in cardboard, Product with pin output on right side

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



PCB header, nominal cross section: 2.5 mm<sup>2</sup>, color: light gray, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Tin, type of contact: Male connector, number of potentials: 2, Number of rows: 1, Number of positions per row: 2, number of connections: 2, product range: MSTBO 2,5/..-G1L, pitch: 5 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.5 mm, Locking: without, type of packaging: packed in cardboard, Product with pin output on left side

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



PCB header, nominal cross section: 2.5 mm<sup>2</sup>, color: light gray, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Tin, type of contact: Male connector, number of potentials: 2, Number of rows: 1, Number of positions per row: 2, number of connections: 2, product range: MSTBO 2,5/..-G1R, pitch: 5 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.5 mm, Locking: without, type of packaging: packed in cardboard, Product with pin output on right side

## Electronic housing - ME MAX 12,5 G 3-3 KMGY - 2914097

### Accessories

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



PCB header, nominal cross section: 2.5 mm<sup>2</sup>, color: black, nominal current: 16 A, rated voltage (III/2): 320 V, contact surface: Tin, type of contact: Male connector, number of potentials: 2, Number of rows: 1, Number of positions per row: 2, number of connections: 2, product range: MSTBO 2,5/..-G1L-THR, pitch: 5 mm, mounting: THR soldering, pin layout: Linear pinning, solder pin [P]: 2.5 mm, Locking: without, type of packaging: 32 mm wide tape, Product with pin output on left side

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



PCB header, nominal cross section: 2.5 mm<sup>2</sup>, color: black, nominal current: 16 A, rated voltage (III/2): 320 V, contact surface: Tin, type of contact: Male connector, number of potentials: 2, Number of rows: 1, Number of positions per row: 2, number of connections: 2, product range: MSTBO 2,5/..-G1R-THR, pitch: 5 mm, mounting: THR soldering, pin layout: Linear pinning, solder pin [P]: 2.5 mm, Locking: without, type of packaging: 32 mm wide tape, Product with pin output on left side

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



PCB terminal block, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of potentials: 3, Number of rows: 1, Number of positions per row: 3, product range: MKDSO 1,5/..-L, pitch: 3.5 mm, 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]: 3.9 mm, type of packaging: packed in cardboard. Product with pin output on left side

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



PCB terminal block, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of potentials: 3, Number of rows: 1, Number of positions per row: 3, product range: MKDSO 1,5/..-R, pitch: 3.5 mm, 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]: 3.9 mm, type of packaging: packed in cardboard. Product with pin output on right side

#### 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>, number of potentials: 2, Number of rows: 1, Number of positions per row: 2, product range: MKDSO 2,5/..-L, pitch: 5 mm, 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, type of packaging: packed in cardboard. Product with pin output on left side

## Electronic housing - ME MAX 12,5 G 3-3 KMGY - 2914097

### 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 mm<sup>2</sup>, number of potentials: 2, Number of rows: 1, Number of positions per row: 2, product range: MKDSO 2,5/..-R, pitch: 5 mm, 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, type of packaging: packed in cardboard. Product with pin output on right side

#### 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>, number of potentials: 2, Number of rows: 1, Number of positions per row: 2, product range: FKDSO 2,5/..-L, pitch: 5 mm, 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, type of packaging: packed in cardboard. Product with pin output on left side

#### 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>, number of potentials: 2, Number of rows: 1, Number of positions per row: 2, product range: FKDSO 2,5/..-R, pitch: 5 mm, 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, type of packaging: packed in cardboard. Product with pin output on right side

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



PCB connector, nominal cross section: 1.5 mm<sup>2</sup>, color: light gray, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Tin, type of contact: Female connector, number of potentials: 3, Number of rows: 1, Number of positions per row: 3, number of connections: 3, product range: MC 1,5/..-ST, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, conductor/PCB connection direction: 0 °, plug-in system: MINI COMBICON, Locking: without, mounting: without, type of packaging: packed in cardboard

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



PCB connector, nominal cross section: 2.5 mm<sup>2</sup>, color: light gray, nominal current: 16 A, rated voltage (III/2): 300 V, contact surface: Tin, type of contact: Female connector, number of potentials: 2, Number of rows: 1, Number of positions per row: 2, number of connections: 2, product range: PSPT 2,5/..-ST, pitch: 5 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, Locking clip: - Locking clip, Locking: without, mounting: without, type of packaging: packed in cardboard, Color of the spring lever: orange

## Electronic housing - ME MAX 12,5 G 3-3 KMGY - 2914097

### Accessories

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



PCB connector, nominal cross section: 2.5 mm<sup>2</sup>, color: light gray, nominal current: 16 A, rated voltage (III/2): 320 V, contact surface: Tin, type of contact: Female connector, Number of rows: 1, Number of positions per row: 2, product range: MSTBT 2,5 HC/..-STP, pitch: 5 mm, connection method: Screw connection with tension sleeve, conductor/PCB connection direction: 0 °, plug-in system: POWER COMBICON 2,5, Locking: without, mounting: without, type of packaging: packed in cardboard

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



PCB header, color: light gray, contact surface: Gold, Number of rows: 1, Number of positions per row: 2, product range: MSTBO 2,5/..-G1L Au, pitch: 5 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.5 mm, Locking: without, type of packaging: packed in cardboard, Product with pin output on left side

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



PCB header, color: light gray, contact surface: Gold, Number of rows: 1, Number of positions per row: 2, product range: MSTBO 2,5/..-G1R Au, pitch: 5 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.5 mm, Locking: without, type of packaging: packed in cardboard, Product with pin output on right side

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



PCB header, color: black, contact surface: Gold, type of contact: Male connector, number of potentials: 2, Number of positions per row: 2, number of connections: 2, product range: MSTBO 2,5/..-G1L THR Au, pitch: 5 mm, mounting: THR soldering, pin layout: Linear pinning, solder pin [P]: 2.5 mm, type of packaging: 32 mm wide tape, Product with pin output on left side

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



PCB header, color: black, contact surface: Gold, type of contact: Male connector, Number of positions per row: 2, product range: MSTBO 2,5/..-G1R THR Au, pitch: 5 mm, mounting: THR soldering, pin layout: Linear pinning, solder pin [P]: 2.5 mm, type of packaging: 32 mm wide tape, Product with pin output on right side

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

## Electronic housing - ME MAX 12,5 G 3-3 KMGY - 2914097

### Accessories

PCB header, color: light gray, Number of rows: 1, Number of positions per row: 2, product range: MSTBO 2,5/..-G1L Au, pitch: 5 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.5 mm, Locking: without, type of packaging: packed in cardboard, Product with pin output on left side

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

PCB header

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### 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.

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



Contact strip for DIN rail connector

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



Contact strip for DIN rail connector

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End clamp - E/ME TBUS NS35 GY - 2713780



End clamp, stable construction for DIN rail bus connector

## Electronic housing - ME MAX 12,5 G 3-3 KMGY - 2914097

### Accessories

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



PCB connector, nominal cross section: 1.5 mm<sup>2</sup>, color: green, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Gold, type of contact: Female connector, number of potentials: 5, Number of rows: 1, Number of positions per row: 5, number of connections: 5, product range: MC 1,5/...-ST, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, conductor/PCB connection direction: 0 °, pin layout: Linear three-way pinning, plug-in system: MINI COMBICON, Locking: without, mounting: without, type of packaging: packed in cardboard

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



PCB connector, nominal cross section: 1.5 mm<sup>2</sup>, color: green, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Tin, type of contact: Male connector, number of potentials: 5, Number of rows: 1, Number of positions per row: 5, number of connections: 5, product range: IMC 1,5/...-ST, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, conductor/PCB connection direction: 0 °, plug-in system: MINI COMBICON, Locking: without, mounting: without, type of packaging: packed in cardboard

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#### Coding section - CR MSTBO-G1 - 2199618



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

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#### Shield connection clamp - ME-SAS - 2853899



Shield connection clamp for printed circuit terminal block

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#### 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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