

## Electronic housing - ME MAX 17,5 U-U1 KMGY - 2713641

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DIN rail housing, Complete housing with metal foot catch, tall design, with vents, width: 17.5 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	4017918936150

### Technical data

#### Item properties

Brief article description	Electronic housing
Type	ME MAX 17,5 U-U1 KMGY
Order No.	2713641
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

# Electronic housing - ME MAX 17,5 U-U1 KMGY - 2713641

## Technical data

### Item properties

Number of levels	1
Connection levels	0 (Top) / 1 (Bottom)
Ventilation openings present	yes
Max. number of positions	4 (pitch: 3.5 mm)
	3 (pitch: 5 mm)
	2 (pitch: 7.25 mm/7.5 mm)

### Dimensions

Width [ w ]	17.5 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	5.2 W

### 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

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## Technical data

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

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
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

## Electronic housing - ME MAX 17,5 U-U1 KMGY - 2713641

### Technical data

#### General information

Note	Material of contact pads for bus connector, galvanic gold (hard gold)
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#### 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 17,5 U-U1 KMGY - 2713641

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 17,5 U-U1 KMGY - 2713641

## 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

## Accessories

### Accessories

#### Fiber optic

Fiber optic - HS LC-H-D3/ R1XC1 - 2202313



Light guides, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

Fiber optic - HS LC-H-5X2/ R1XC1 - 2202314



Light guides, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

## Electronic housing - ME MAX 17,5 U-U1 KMGY - 2713641

### Accessories

Fiber optic - HS LC-H-D3/ R2XC1-5,08 - 2202315



Light guides, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

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Fiber optic - HS LC-H-D2/ R2XC1-2,54 - 2202316



Light guides, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

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Fiber optic - HS LC-H-D2/ R2XC2-2,54 - 2202317



Light guides, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

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Fiber optic - HS LC-H-D2/ R2XC5-2,54 - 2202318



Light guides, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

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Fiber optic - HS LC-H-D2/ R2XC10-2,54 - 2202319



Light guides, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

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## Electronic housing - ME MAX 17,5 U-U1 KMGY - 2713641

### Accessories

Fiber optic - HS LC-H-D2C/ R2XC1-2,54 - 1036658



Light guides, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

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Fiber optic - HS LC-H-D2C/ R2XC2-2,54 - 1043044



Light guides, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

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Fiber optic - HS LC-H-D2C/ R2XC5-2,54 - 1071310



Light guides, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

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Fiber optic - HS LC-H-D2C/ R2XC10-2,54 - 1071314



Light guides, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

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### Filler plug

Filler plugs - ME MAX B-17,5 KMGY - 2706959



DIN rail housing, Filler plug for unoccupied terminal points, width: 15 mm, height: 21.6 mm, color: light gray (7035)

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## Electronic housing - ME MAX 17,5 U-U1 KMGY - 2713641

### Accessories

Filler plugs - ME MAX B-17,5 GN - 2706991



DIN rail housing, Filler plug for unoccupied terminal points, width: 15 mm, height: 21.6 mm, color: green (6021)

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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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### Mounting material

Base latch - ME MF 17,5 - 2908281



Metal foot catch, for intermediate elements.

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### Necessary add-on products

Feed-through header - MCO 1,5/ 4-G1L-3,5 KMGY - 2278364



PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 4, pitch: 3.5 mm, color: light gray, contact surface: Tin, mounting: Soldering, pin layout: Linear pinning, solder pin [P]: 2.75 mm, Article with lateral pin exit

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## Electronic housing - ME MAX 17,5 U-U1 KMGY - 2713641

### Accessories

#### Feed-through header - MCO 1,5/ 4-G1R-3,5 KMGY - 2278377



PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 4, pitch: 3.5 mm, color: light gray, contact surface: Tin, mounting: Soldering, pin layout: Linear pinning, solder pin [P]: 2.75 mm, Article with lateral pin exit

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#### Printed-circuit board connector - MC 1,5/ 4-ST-3,5 GY7035 - 1769074



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 4, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, color: light gray, contact surface: Tin

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#### Printed-circuit board connector - FMC 1,5/ 4-ST-3,5 GY7035 - 1773578



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 4, pitch: 3.5 mm, connection method: Push-in spring connection, color: light gray, contact surface: Tin

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#### Printed-circuit board connector - FK-MCP 1,5/ 4-ST-3,5 GY7035 - 1773594



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 4, pitch: 3.5 mm, connection method: Push-in spring connection, color: light gray, contact surface: Tin

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#### Feed-through header - MSTBO 2,5/ 3-G1L KMGY - 2853750



PCB headers, number of positions: 3, pitch: 5 mm, color: light gray, contact surface: Tin, pin layout: Linear pinning, solder pin [P]: 3.5 mm

## Electronic housing - ME MAX 17,5 U-U1 KMGY - 2713641

### Accessories

Feed-through header - MSTBO 2,5/ 3-G1R KMGY - 2853763



PCB headers, number of positions: 3, pitch: 5 mm, color: light gray, contact surface: Tin, pin layout: Linear pinning, solder pin [P]: 3.5 mm

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Feed-through header - MSTBO 2,5/ 3 G1L THRR44 BK - 2915216



PCB headers, number of positions: 3, pitch: 5 mm, color: black, contact surface: Tin, pin layout: Linear pinning, solder pin [P]: 3.5 mm

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Feed-through header - MSTBO 2,5/ 3 G1R THRR44 BK - 2915229



PCB headers, number of positions: 3, pitch: 5 mm, color: black, contact surface: Tin, pin layout: Linear pinning, solder pin [P]: 3.5 mm

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Feed-through header - MSTBO 2,5/ 3-G1PL GY7035 - 2200328



PCB headers, number of positions: 3, pitch: 5 mm, color: light gray, contact surface: Tin, pin layout: Linear pinning

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Feed-through header - MSTBO 2,5/ 3-G1PR GY7035 - 2200329



PCB headers, number of positions: 3, pitch: 5 mm, color: light gray, contact surface: Tin, pin layout: Linear pinning

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## Electronic housing - ME MAX 17,5 U-U1 KMGY - 2713641

### Accessories

#### Printed-circuit board connector - PSPT 2,5/ 3-ST KMGY - 2202345



PCB connector, nominal current: 16 A, rated voltage (III/2): 300 V, nominal cross section: 2.5 mm<sup>2</sup>, number of positions: 3, 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/ 3-STP GY7035 - 2200333



PCB connector, nominal current: 16 A, rated voltage (III/2): 320 V, nominal cross section: 2.5 mm<sup>2</sup>, number of positions: 3, pitch: 5 mm, connection method: Screw connection with tension sleeve, color: light gray, contact surface: Tin

#### Feed-through header - GMSTBO 2,5 HV/ 2-GL-7,25 THR - 2199867



PCB headers, nominal current: 16 A, rated voltage (III/2): 630 V, nominal cross section: 2.5 mm<sup>2</sup>, number of positions: 2, pitch: 7.25 mm, color: black, mounting: THR soldering, pin layout: Linear pinning, solder pin [P]: 2.1 mm, Product with pin output on left side

#### Feed-through header - GMSTBO 2,5 HV/ 2-GR-7,25 THR - 2199760



PCB headers, nominal current: 16 A, rated voltage (III/2): 630 V, nominal cross section: 2.5 mm<sup>2</sup>, number of positions: 2, pitch: 7.25 mm, color: black, mounting: THR soldering, pin layout: Linear pinning, solder pin [P]: 2.1 mm, Product with pin output on right side

#### Printed-circuit board connector - GMSTBT 2,5 HV/2-ST-7,25 GY7035 - 2199757



PCB connector, number of positions: 2, pitch: 7.25 mm, color: light gray, contact surface: Tin

## Electronic housing - ME MAX 17,5 U-U1 KMGY - 2713641

### Accessories

Filler plugs - ME MAX B-17,5 KMGY - 2706959



DIN rail housing, Filler plug for unoccupied terminal points, width: 15 mm, height: 21.6 mm, color: light gray (7035)

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Feed-through header - MSTBO 2,5/ 3-G1L KMGY AU - 1077605



PCB headers, number of positions: 3, pitch: 5 mm, color: light gray, contact surface: Gold, pin layout: Linear pinning

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Feed-through header - MSTBO 2,5/ 3-G1R KMGY AU - 1077606



PCB headers, number of positions: 3, pitch: 5 mm, color: light gray, contact surface: Gold, pin layout: Linear pinning

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PCB terminal block - MKDSO 1,5/ 4-L-3,5 KMGY - 2278432



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

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PCB terminal block - MKDSO 1,5/ 4-R-3,5 KMGY - 2278429



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

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## Electronic housing - ME MAX 17,5 U-U1 KMGY - 2713641

### Accessories

#### PCB terminal block - MKDSO 2,5/ 3-L KMGY - 2854102



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: 3, 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/ 3-R KMGY - 2854092



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: 3, 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 HV/ 2L-7,5 KMGY - 2199676



PCB terminal block, pitch: 7.5 mm, number of positions: 2, color: light gray, Pin layout: Linear pinning, Solder pin [P]: 3.5 mm. Article with lateral pin exit

#### PCB terminal block - MKDSO 2,5 HV/ 2R-7,5 KMGY - 2199773



PCB terminal block, pitch: 7.5 mm, number of positions: 2, color: light gray, Pin layout: Linear pinning, Solder pin [P]: 3.5 mm. Article with lateral pin exit

#### PCB terminal block - FKDSO 2,5/ 3-L KMGY - 2200318



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: 3, 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

## Electronic housing - ME MAX 17,5 U-U1 KMGY - 2713641

### Accessories

#### PCB terminal block - FKDSO 2,5/ 3-R KMGY - 2200317



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: 3, 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

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### Additional products

#### DIN rail bus connectors - ME 17,5 TBUS 1,5/ 5-ST-3,81 KMGY - 2713645



DIN rail connector, nominal current: 8 A, rated voltage (III/2): 125 V, number of positions: 5, pitch: 3.81 mm, color: light gray, mounting: DIN rail, Item with gold-plated contacts, bus connectors for connecting with electronics housings, 5 parallel contacts

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#### DIN rail bus connectors - ME 17,5 TBUS 1,5/4P1S KMGY - 2201731



DIN rail connector, nominal current: 8 A, rated voltage (III/2): 50 V, number of positions: 5, pitch: 3.81 mm, color: light gray, mounting: DIN rail, Item with gold-plated contacts, bus connectors for connecting with electronics housings, 4 parallel contacts/1 serial contact

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#### DIN rail bus connectors - ME 17,5 TBUS ADAPTER KMGY - 2201757



DIN rail bus adapter for ME and ME-MAX, design width: 17.5 mm, 5 parallel positions, color: light gray (similar to RAL 7035)

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#### Power connector - PCO 17,5-L KMGY - 2201684



Power connector for ME-MAX housing, design width: 17.5 mm, 2 positions; used to transmit a total current of up to 42 A at 60 V DC.

## Electronic housing - ME MAX 17,5 U-U1 KMGY - 2713641

### Accessories

#### 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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#### End clamp - E/ME TBUS NS35 GY - 2713780



End clamp, stable construction for DIN rail bus connector

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#### 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

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#### 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

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#### Cross connection - PBR 42A BU - 2201916



Jumper for PCO power connector in ME-MAX housing, color: blue (similar to RAL 5015)



## Electronic housing - ME MAX 17,5 U-U1 KMGY - 2713641

### Accessories

Cross connection - PBR 42A GY - 2201917



Jumper for PCO power connector in ME-MAX housing, color: gray (similar to RAL 7042)

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Cross connection - PBR 42A RD - 2201915



Jumper for PCO power connector in ME-MAX housing, color: red (similar to RAL 3000)

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Shield connection clamp - ME-SAS - 2853899



Shield connection clamp for printed circuit terminal block

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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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