

Electronic housing - ME MAX 17,5 SF G 2-2 KMGY - 2901369

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DIN rail housing, Complete housing with metal foot catch, ultra-flat design, without vents, width: 17.5 mm, height: 85 mm, depth: 70.4 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	 4 046356 178525
GTIN	4046356178525

Technical data

Item properties

Brief article description	Electronic housing
Type	ME MAX 17,5 SF G 2-2 KMGY
Order No.	2901369
Housing type	DIN rail housing
Housing series	ME-MAX
Type	Complete housing with metal foot catch, ultra-flat design
Max. IP code to attain	IP20
Mounting type	DIN rail mounting

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Technical data

Item properties

Number of levels	2
Connection levels	2 (Both sides)
Ventilation openings present	no
Max. number of positions	16 (pitch: 3.5 mm)
	12 (pitch: 5 mm)
	8 (pitch: 7.25 mm/7.5 mm)

Dimensions

Width [w]	17.5 mm
Height [h]	85 mm
Depth [d]	70.4 mm
Depth from top edge of DIN rail [d]	62.9 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, single housing at 30 °C

Ambient temperature	30 °C
Reduction factor	0.91
Mounting position	vertical

Power dissipation, single housing at 40 °C

Ambient temperature	40 °C
Reduction factor	0.81
Mounting position	vertical

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Technical data

Power dissipation, single housing at 50 °C

Ambient temperature	50 °C
Reduction factor	0.72
Mounting position	vertical

Power dissipation, single housing at 60 °C

Ambient temperature	60 °C
Reduction factor	0.63
Mounting position	vertical

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

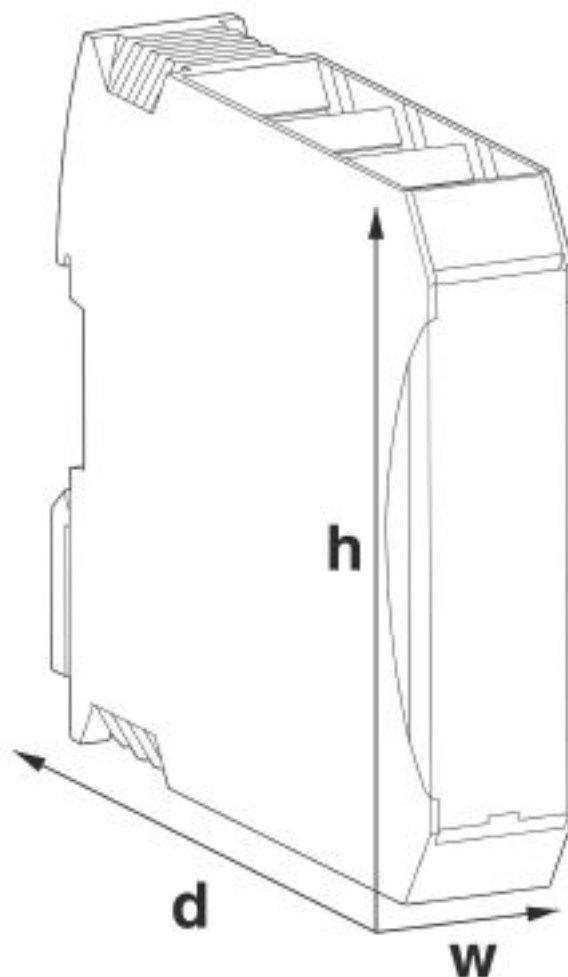
Environmental Product Compliance

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

Drawings

Electronic housing - ME MAX 17,5 SF G 2-2 KMGY - 2901369

Dimensional drawing



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 8.0	27182702
eCl@ss 9.0	27182702

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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 / UL Recognized

Ex Approvals

Approval details

EAC		B.01687
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UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 240868
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Accessories

Accessories

Fiber optic

Electronic housing - ME MAX 17,5 SF G 2-2 KMGY - 2901369

Accessories

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)

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)

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)

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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Accessories

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)

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)

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)

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)

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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Accessories

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)

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)

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)

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

Mounting material

Electronic housing - ME MAX 17,5 SF G 2-2 KMGY - 2901369

Accessories

Base latch - ME MF 17,5 - 2908281

Metal foot catch, for intermediate elements.



Necessary add-on products

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



PCB headers, nominal cross section: 1.5 mm², color: light gray, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Tin, type of contact: Male connector, Number of rows: 1, Number of positions per row: 4, product range: MCO 1,5/...-G1, pitch: 3.5 mm, mounting: Soldering, pin layout: Linear pinning, solder pin [P]: 2.75 mm, Locking: without, Article with lateral pin exit

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



PCB headers, nominal cross section: 1.5 mm², color: light gray, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Tin, type of contact: Male connector, Number of rows: 1, Number of positions per row: 4, product range: MCO 1,5/...-G1, pitch: 3.5 mm, mounting: Soldering, pin layout: Linear pinning, solder pin [P]: 2.75 mm, Locking: without, Article with lateral pin exit

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



PCB connector, nominal cross section: 1.5 mm², color: light gray, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Tin, type of contact: Female connector, Number of potentials: 4, Number of rows: 1, Number of positions per row: 4, number of connections: 4, product range: MC 1,5/...-ST, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, conductor/PCB connection direction: 0 °, Stecksystem: MINI COMBICON, Locking: without, type of packaging: packed in cardboard

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



PCB connector, nominal cross section: 1.5 mm², color: light gray, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Tin, type of contact: Female connector, Number of potentials: 4, Number of rows: 1, Number of positions per row: 4, number of connections: 4, product range: FMC 1,5/...-ST, pitch: 3.5 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, Stecksystem: MINI COMBICON, Locking: without, type of packaging: packed in cardboard

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Accessories

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



PCB connector, nominal cross section: 1.5 mm², color: light gray, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Tin, type of contact: Female connector, Number of potentials: 4, Number of rows: 1, Number of positions per row: 4, number of connections: 4, product range: FK-MCP 1,5/...-ST, pitch: 3.5 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, Stecksystem: MINI COMBICON, Locking: without, type of packaging: packed in cardboard

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



PCB headers, nominal cross section: 2.5 mm², color: light gray, nominal current: 12 A, rated voltage (III/2): 320 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: 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/ 3-G1R KMGY - 2853763



PCB headers, nominal cross section: 2.5 mm², color: light gray, nominal current: 12 A, rated voltage (III/2): 320 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: 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

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



PCB headers, color: black, contact surface: Tin, Number of positions per row: 3, product range: MSTBO 2,5/...-G1L-THR, pitch: 5 mm, pin layout: Linear pinning, solder pin [P]: 3.5 mm

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



PCB headers, color: black, contact surface: Tin, Number of positions per row: 3, product range: MSTBO 2,5/...-G1R-THR, pitch: 5 mm, pin layout: Linear pinning, solder pin [P]: 3.5 mm

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Accessories

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



PCB headers, color: light gray, contact surface: Tin, Number of positions per row: 3, product range: MSTBO 2,5/..-G1PL, pitch: 5 mm, pin layout: Linear pinning

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



PCB headers, color: light gray, contact surface: Tin, Number of positions per row: 3, product range: MSTBO 2,5/..-G1PR, pitch: 5 mm, pin layout: Linear pinning

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



PCB connector, color: light gray, contact surface: Tin, Number of potentials: 3, Number of positions per row: 3, number of connections: 3, product range: PSPT 2,5/..-ST, pitch: 5 mm, type of packaging: packed in cardboard, Color of the spring lever: orange

Printed-circuit board connector - MSTBT 2,5 HC/ 3-STP GY7035 - 2200333



PCB connector, nominal cross section: 2.5 mm², 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: 3, product range: MSTBT 2,5 HC/..-STP, pitch: 5 mm, connection method: Screw connection with tension sleeve, conductor/PCB connection direction: 0 °, Stecksystem: POWER COMBICON 2,5, Locking: without, type of packaging: packed in cardboard

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



PCB headers, nominal cross section: 2.5 mm², color: black, nominal current: 16 A, rated voltage (III/2): 630 V, 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: GMSTBO 2,5 HV, pitch: 7.25 mm, mounting: THR soldering, pin layout: Linear pinning, solder pin [P]: 2.1 mm, Product with pin output on left side

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Accessories

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



PCB headers, nominal cross section: 2.5 mm², color: black, nominal current: 16 A, rated voltage (III/2): 630 V, 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: GMSTBO 2,5 HV, pitch: 7.25 mm, 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, color: light gray, contact surface: Tin, Number of rows: 1, Number of positions per row: 2, product range: GMSTBT 2,5 HV/...-ST, pitch: 7.25 mm, Locking: without

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)

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



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

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



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

Electronic housing - ME MAX 17,5 SF G 2-2 KMGY - 2901369

Accessories

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



PCB terminal block, Number of positions per row: 4, product range: MKDSO 1,5/...-L, pitch: 3.5 mm, color: light gray, Pin layout: Linear pinning, Solder pin [P]: 3 mm. Article with lateral pin exit

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



PCB terminal block, Number of positions per row: 4, product range: MKDSO 1,5/...-R, pitch: 3.5 mm, color: light gray, Pin layout: Linear pinning, Solder pin [P]: 3 mm. Article with lateral pin exit

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 mm², Number of rows: 1, Number of positions per row: 3, 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. 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 mm², Number of rows: 1, Number of positions per row: 3, 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. Article with lateral pin exit

PCB terminal block - MKDSO 2,5 HV/ 2L-7,5 KMGY - 2199676



PCB terminal block, Number of positions per row: 2, product range: MKDSO 2,5 HV/...-L, pitch: 7.5 mm, 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 HV/ 2R-7,5 KMGY - 2199773



PCB terminal block, Number of positions per row: 2, product range: MKDSO 2,5 HV/..-R, pitch: 7.5 mm, 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 mm², Number of potentials: 3, Number of rows: 1, Number of positions per row: 3, 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. Article with lateral pin exit

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 mm², Number of potentials: 3, Number of rows: 1, Number of positions per row: 3, 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. Article with lateral pin exit

Additional products

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



DIN rail connector, color: light gray, nominal current: 8 A (parallel contacts), rated voltage (III/2): 125 V, Number of positions per row: 5, pitch: 3.81 mm, mounting: DIN rail mounting, Locking: without, type of packaging: packed in cardboard, Item with gold-plated contacts, bus connectors for connecting with electronics housings, 5 parallel contacts

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



DIN rail connector, color: light gray, nominal current: 8 A, 8 A (parallel contacts) (Serial contacts), rated voltage (III/2): 50 V, Number of positions per row: 5, pitch: 3.81 mm, mounting: DIN rail mounting, Locking: without, type of packaging: packed in cardboard, Item with gold-plated contacts, bus connectors for connecting with electronics housings, 4 parallel contacts/1 serial contact

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Accessories

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.

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)

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 cross section: 1.5 mm², 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, conductor/PCB connection direction: 0 °, pin layout: Linear three-way pinning, Stecksystem: MINI COMBICON, Locking: without, type of packaging: packed in cardboard

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



PCB connector, nominal cross section: 1.5 mm², 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, conductor/PCB connection direction: 0 °, Stecksystem: MINI COMBICON, Locking: without, type of packaging: packed in cardboard

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Accessories

Cross connection - PBR 42A BU - 2201916



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

Cross connection - PBR 42A GY - 2201917



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

Cross connection - PBR 42A RD - 2201915



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

Shield connection clamp - ME-SAS - 2853899



Shield connection clamp for printed circuit terminal block

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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