

Upper part of housing - ME 22,5 OT-MKDSO KMGY - 2908469

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DIN rail housing, Upper housing part for PCB terminal blocks with screw connection, width: 22.6 mm, height: 99 mm, Depth: 45.85 mm, color: light gray (7035)

Your advantages

- Item is from the ME product range
- Tool-free mounting
- Available in overall widths from 12.5 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 bus connector that is either integrated or mounted on the DIN rail



Key Commercial Data

| | |
|--------------------------------------|---------------|
| Packing unit | 100 pc |
| Minimum order quantity | 100 pc |
| GTIN | |
| GTIN | 4017918361495 |
| Weight per Piece (excluding packing) | 9.470 g |
| Custom tariff number | 85369010 |
| Country of origin | Germany |

Technical data

Item properties

| | |
|---------------------------|------------------------------------------------------------------|
| Brief article description | Upper part of housing |
| Type | ME 22,5 OT-MKDSO KMGY |
| Order No. | 2908469 |
| Housing type | DIN rail housing |
| Type | Upper housing part for PCB terminal blocks with screw connection |

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Technical data

Item properties

| | |
|--------------------------|----------------------------------|
| Max. IP code to attain | IP20 |
| Mounting type | Latching with lower housing part |
| Connection levels | 2 (Both sides) |
| Max. number of positions | 20 (pitch: 3.5 mm) |
| | 16 (pitch: 5 mm) |

Dimensions

| | |
|-------------------------------------|----------|
| Width [w] | 22.6 mm |
| Height [h] | 99 mm |
| Depth [d] | 45.85 mm |
| Depth from base support surface [d] | 38.5 mm |

Material data

| | |
|----------------------------------------|-------------------|
| Color (RAL) | light gray (7035) |
| Flammability rating according to UL 94 | V0 |
| Housing material | Polyamide |

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 |

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 |

Upper part of housing - ME 22,5 OT-MKDSO KMGY - 2908469

Technical data

Shock

| | |
|--------------------------------|-----------------------------------|
| Acceleration | 15g |
| Shock duration | 11 ms |
| Number of shocks per direction | 3 |
| Test directions | X-, Y- and Z-axis (pos. and neg.) |

Thermostability (Ball Thrust Test)

| | |
|---------------|------------------------|
| Specification | IEC 60695-10-2:2014-02 |
| Temperature | 125 °C |
| Test duration | 1 h |
| Force | 20 N |

Test for assessing the risk of fire (glow wire)

| | |
|------------------|-------------------------------------------|
| Specification | DIN EN 60695-2-11 (VDE 0471-2-11):2014-11 |
| Temperature | 850 °C |
| Time of exposure | 30 s |

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 | 100 |
| Denomination packing units | Pcs. |
| Outer packaging type | Carton |

Standards and regulations

| | |
|----------------------------------------|-----|
| Connection in acc. with standard | CUL |
| Flammability rating according to UL 94 | V0 |

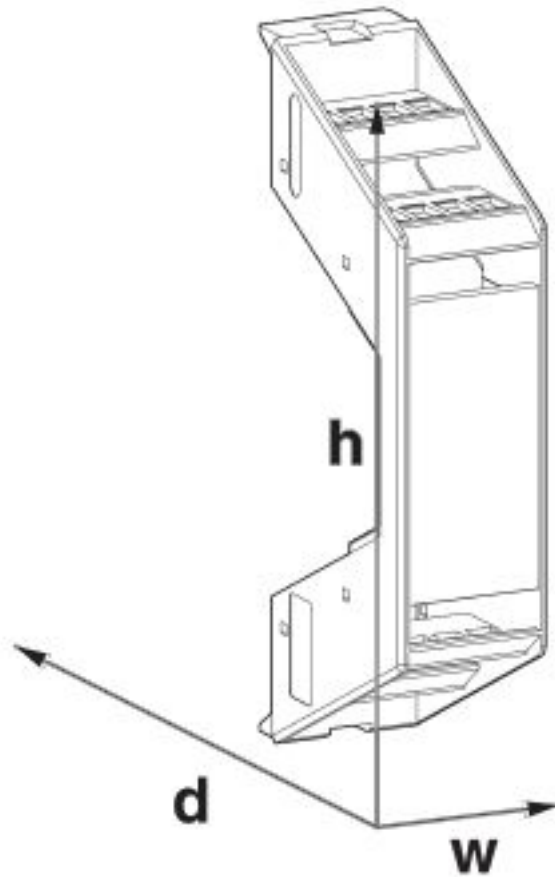
Environmental Product Compliance

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

Drawings

Upper part of housing - ME 22,5 OT-MKDSO KMGY - 2908469

Dimensional drawing



Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27180400 |
| eCl@ss 4.1 | 27180400 |
| eCl@ss 5.0 | 27141100 |
| eCl@ss 5.1 | 27141100 |
| eCl@ss 6.0 | 27180800 |
| eCl@ss 7.0 | 27182702 |
| eCl@ss 8.0 | 27182702 |
| eCl@ss 9.0 | 27182702 |

Upper part of housing - ME 22,5 OT-MKDSO KMGY - 2908469

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

cUL Recognized / EAC / null / null / null / null / null / null / null / null / null / null / null / null / null / null / cULus Recognized

Ex Approvals

Approval details

| | | | |
|----------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| cUL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |
| | B | D | |
| Nominal voltage UN | 300 V | 300 V | |
| Nominal current IN | 10 A | 10 A | |
| mm ² /AWG/kcmil | 30-12 | 30-12 | |

| | | |
|-----|-------------------------------------------------------------------------------------|---------|
| EAC |  | B.01742 |
|-----|-------------------------------------------------------------------------------------|---------|

Upper part of housing - ME 22,5 OT-MKDSO KMGY - 2908469

Accessories

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)

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)

Upper part of housing - ME 22,5 OT-MKDSO KMGY - 2908469

Accessories

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-D2/ R4XC2-2,54 - 2202320



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/ R4XC5-2,54 - 2202321



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/ R4XC9-2,54 - 2202322



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/ R4XC10-2,54 - 2202323



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

Upper part of housing - ME 22,5 OT-MKDSO KMGY - 2908469

Accessories

Filler plugs - ME B-22,5 MSTBO KMGY - 2907965



DIN rail housing, Filler plug for unoccupied terminal points, color: light gray (7035)

Necessary add-on products

PCB terminal block - MKDSO 1,5/ 5-L-3,5 KMGY - 2278393



PCB terminal block, pitch: 3.5 mm, number of positions: 5, color: light gray, Pin layout: Linear pinning, Solder pin [P]: 3 mm. Article with lateral pin exit

PCB terminal block - MKDSO 1,5/ 5-R-3,5 KMGY - 2278416



PCB terminal block, pitch: 3.5 mm, number of positions: 5, color: light gray, Pin layout: Linear pinning, Solder pin [P]: 3 mm. Article with lateral pin exit

PCB terminal block - MKDSO 2,5/ 4-L KMGY - 2908485



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: 4, 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/ 4-R KMGY - 2908472



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: 4, 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

Upper part of housing - ME 22,5 OT-MKDSO KMGY - 2908469

Accessories

Mounting base housing - ME 22,5 UT KMGY - 2907732



DIN rail housing, Lower housing part with metal foot catch, tall design, with vents, width: 22.6 mm, height: 99 mm, Depth: 107.3 mm, cross connection: without bus connector, number of positions cross connector: not relevant, color: light gray (7035)

Mounting base housing - ME 22,5 UT KMGY VPE100 - 2901408



DIN rail housing, Lower housing part with metal foot catch, tall design, with vents, width: 22.6 mm, height: 99 mm, Depth: 107.3 mm, cross connection: without bus connector, number of positions cross connector: not relevant, color: light gray (7035)

Mounting base housing - ME 22,5 UT/FE TBUS KMGY - 2914327



DIN rail housing, Lower housing part with metal foot catch, tall design, with vents, width: 22.6 mm, height: 99 mm, Depth: 107.3 mm, cross connection: DIN rail connector (optional), number of positions cross connector: 5, color: light gray (7035)

Mounting base housing - ME 22,5 UT TBUS KMGY - 2869524



DIN rail housing, Lower housing part with metal foot catch, tall design, with vents, width: 22.6 mm, height: 99 mm, Depth: 107.3 mm, cross connection: DIN rail connector (optional), number of positions cross connector: 5, color: light gray (7035)

Mounting base housing - ME 22,5 UT BUS/10 KMGY - 2707482



DIN rail housing, Lower housing part with metal foot catch, tall design, with vents, width: 22.6 mm, height: 99 mm, Depth: 107.3 mm, cross connection: integrated bus connector, number of positions cross connector: 10, color: light gray (7035)

Upper part of housing - ME 22,5 OT-MKDSO KMGY - 2908469

Accessories

Mounting base housing - ME 22,5 UT/FE BUS/10 KMGY - 2854047



DIN rail housing, Lower housing part with metal foot catch, tall design, with vents, width: 22.6 mm, height: 99 mm, Depth: 107.3 mm, cross connection: integrated bus connector, number of positions cross connector: 10, color: light gray (7035)

Mounting base housing - ME 22,5 UT/FE BUS/ 5 KMGY - 2914071



DIN rail housing, Lower housing part with metal foot catch, tall design, with vents, width: 22.6 mm, height: 99 mm, Depth: 107.3 mm, cross connection: integrated bus connector, number of positions cross connector: 5, color: light gray (7035)

Mounting base housing - ME 22,5 UT/FE BUS/10+2 KMGY - 2890108



DIN rail housing, Lower housing part with metal foot catch, tall design, with vents, width: 22.6 mm, height: 99 mm, Depth: 107.3 mm, cross connection: integrated bus connector, number of positions cross connector: 10+2, color: light gray (7035)

Mounting base housing - ME 22,5 F-UT KMGY - 2709781



DIN rail housing, Lower housing part with metal foot catch, flat design, with vents, width: 22.6 mm, height: 99 mm, Depth: 84.8 mm, cross connection: without bus connector, number of positions cross connector: not relevant, color: light gray (7035)

Mounting base housing - ME 22,5 F-UT TBUS KMGY - 2914835



DIN rail housing, Lower housing part with metal foot catch, flat design, with vents, width: 22.6 mm, height: 99 mm, Depth: 84.8 mm, cross connection: DIN rail connector (optional), number of positions cross connector: 5, color: light gray (7035)

Upper part of housing - ME 22,5 OT-MKDSO KMGY - 2908469

Accessories

Mounting base housing - ME 22,5 UTG/FE KMGY - 2869058



DIN rail housing, Lower housing part with metal foot catch, tall design, without vents, width: 22.6 mm, height: 99 mm, Depth: 107.3 mm, cross connection: without bus connector, number of positions cross connector: not relevant, color: light gray (7035)

Mounting base housing - ME 22,5 UTG TBUS KMGY - 2914806



DIN rail housing, Lower housing part with metal foot catch, tall design, without vents, width: 22.6 mm, height: 99 mm, Depth: 107.3 mm, cross connection: DIN rail connector (optional), number of positions cross connector: 5, color: light gray (7035)

Mounting base housing - ME 22,5 UTG KMGY - 2854445



DIN rail housing, Lower housing part with metal foot catch, tall design, without vents, width: 22.6 mm, height: 99 mm, Depth: 107.3 mm, cross connection: without bus connector, number of positions cross connector: not relevant, color: light gray (7035)

Mounting base housing - ME 22,5 UT/FE KMGY - 2908838



DIN rail housing, Lower housing part with metal foot catch, tall design, with vents, width: 22.6 mm, height: 99 mm, Depth: 107.3 mm, cross connection: without bus connector, number of positions cross connector: not relevant, color: light gray (7035)

Mounting base housing - ME 22,5 UT/FE KMGY S4 - 2890755

DIN rail housing, Lower housing part with metal foot catch, tall design, width: 22.6 mm, height: 99 mm, Depth: 107.3 mm, color: light gray (7035)

Mounting base housing - ME 22,5 F-UT/FE KMGY - 2202693



DIN rail housing, Lower housing part with metal foot catch, flat design, with vents, width: 22.6 mm, height: 99 mm, Depth: 84.8 mm, cross connection: without bus connector, number of positions cross connector: not relevant, color: light gray (7035)

Upper part of housing - ME 22,5 OT-MKDSO KMGY - 2908469

Accessories

Mounting base housing - ME 22,5 SF-UT KMGY - 2201861



DIN rail housing, Lower housing part with metal foot catch, ultra-flat design, without vents, width: 22.6 mm, height: 99 mm, Depth: 44.3 mm, cross connection: without bus connector, number of positions cross connector: not relevant, color: light gray (7035)

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