ME 12,5 OTU-MKDSO KMGY - Upper housing part

2278869

https://www.phoenixcontact.com/us/products/2278869

PHŒNIX CONTACT

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DIN rail housing, Upper housing part for PCB terminal blocks with screw connection, width: 12.6 mm, height: 99 mm, depth: 45.85 mm, color: light gray (similar RAL 7035)

Your advantages

- Tool-free mounting
- Available in overall widths from 12.5 mm ... 90 mm, modular extension is possible
- Flammability rating V0 in accordance with UL 94
- Variety of connection technology
- Can be mounted on the DIN rail
- With integrated or DIN-rail-mountable bus connector as an option

Commercial data

Item number	2278869
Packing unit	10 pc
Minimum order quantity	10 pc
Note	Made to order (non-returnable)
Sales key	AC08
Product key	ACHAAD
GTIN	4046356328975
Weight per piece (including packing)	8.718 g
Weight per piece (excluding packing)	8.98 g
Customs tariff number	85389099
Country of origin	DE

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Technical data

Notes

Assembly note	Refer to the data sheet for the range in the download area.

Product properties

Product type	Upper housing part
Housing type	DIN rail housing
Housing series	ME
Product family	ME 12,5..
Max. number of positions	12 (pitch: 3.5 mm)
	8 (pitch: 5 mm)
Type	Upper housing part for PCB terminal blocks with screw connection
Ventilation openings present	no

Data management status

Article revision	00

Dimensions

Dimensional drawing	

Width	12.6 mm
Height	99 mm
Depth	45.85 mm
Depth from base support surface	38.5 mm

PCB design

PCB thickness	1.4 mm ... 1.8 mm

Material specifications

Color (Housing)	light gray (RAL 7035)
Flammability rating according to UL 94	V0
CTI according to IEC 60112	600
Housing material	Polyamide
Surface characteristics	untreated

Environmental and real-life conditions

Vibration test

Specification	IEC 60068-2-6:2007-12
Frequency	10 - 150 - 10 Hz
Sweep speed	1 octave/min
Amplitude	0.15 mm (10 Hz ... 58.1 Hz)
Acceleration	2g (58.1 Hz ... 150 Hz)
Test duration per axis	2.5 h
Test directions	X-, Y- and Z-axis

Glow-wire test

Specification	IEC 60695-2-11:2014-02
Temperature	850 °C
Time of exposure	30 s

Thermal stability / ball thrust test

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

Mechanical strength / tumbling barrel

Specification	IEC 60998-1:2002-12
Height of fall	50 cm
Frequency	10

Shocks

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.)

Degree of protection (IP code)

Specification	IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:2013-08

Ambient conditions

Max. IP code to attain	IP20
Ambient temperature (operation)	-40 °C ... 105 °C (depending on power dissipation)
Ambient temperature (storage/transport)	-40 °C ... 55 °C
Ambient temperature (assembly)	-5 °C ... 100 °C
Relative humidity (storage/transport)	80 %

PCB data

Number of PCB holders	1
Type of PCB mount	Slot

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Thickness of the PCB	1.4 mm ... 1.8 mm

Mounting

Mounting type	Latching with lower housing part

Packaging specifications

Type of packaging	packed in cardboard
Outer packaging type	Carton

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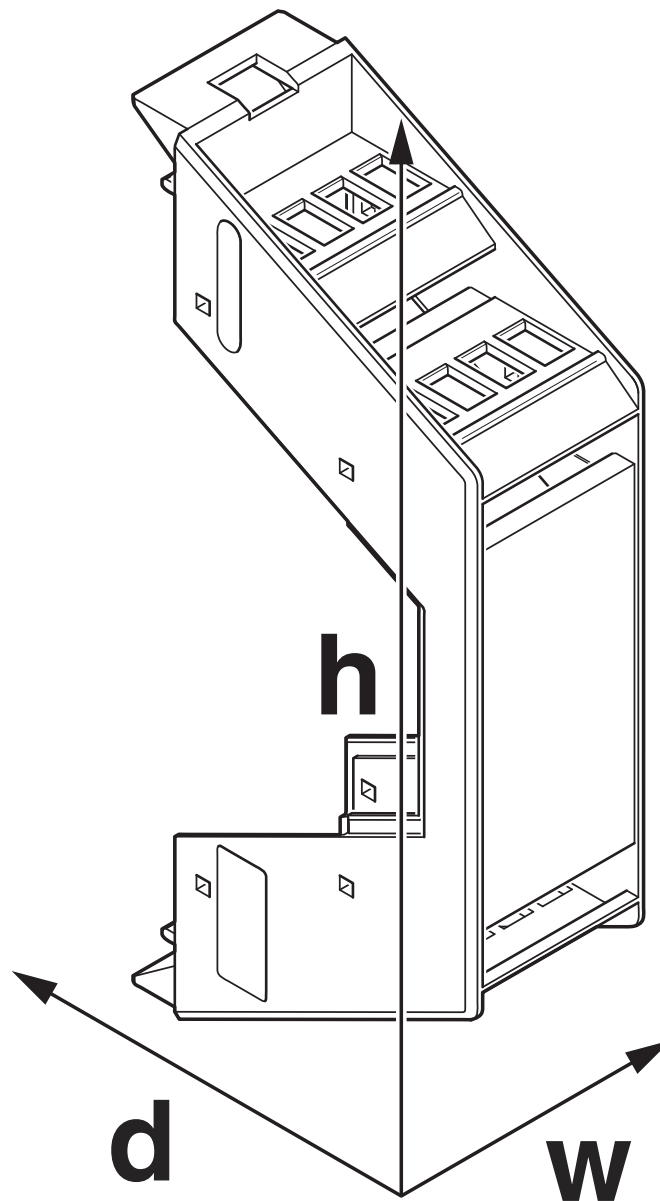https://www.phoenixcontact.com/us/products/2278869

Drawings

Dimensional drawing

h

d

w

Schematic figure for illustrating the item dimensions. The figure is not of the desired product. For further details, refer to the product drawings in the "Downloads" tab.

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2278869

UL Recognized
Approval ID: E240868

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Classifications

ECLASS

ECLASS-11.0	27182702
ECLASS-13.0	27190603

ETIM

ETIM 9.0	EC001031

UNSPSC

UNSPSC 21.0	31261500

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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Mandatory accessories

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

2278445

https://www.phoenixcontact.com/us/products/2278445

PCB terminal block, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm^2, 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, number of solder pins per potential: 1, type of packaging: packed in cardboard. Product with pin output on left side

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

2278458

https://www.phoenixcontact.com/us/products/2278458

PCB terminal block, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm^2, 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, number of solder pins per potential: 1, type of packaging: packed in cardboard. Product with pin output on right side

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

2915261

https://www.phoenixcontact.com/us/products/2915261

PCB terminal block, nominal current: 24 A, rated voltage (III/2): 400 V, nominal cross section: 2.5 mm^2, 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, number of solder pins per potential: 1, type of packaging: packed in cardboard. Product with pin output on left side

MKDSO 2,5/ 2-R KMGY - PCB terminal block

2915258

https://www.phoenixcontact.com/us/products/2915258

PCB terminal block, nominal current: 24 A, rated voltage (III/2): 400 V, nominal cross section: 2.5 mm^2, 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, number of solder pins per potential: 1, type of packaging: packed in cardboard. Product with pin output on right side

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ME 12,5 UT KMGY - Mounting base housing

2869430

https://www.phoenixcontact.com/us/products/2869430

DIN rail housing, Lower housing part with metal foot catch, tall design, with vents, width: 12.6 mm, height: 99 mm, depth: 107.3 mm, color: light gray (similar RAL 7035), cross connection: without bus connector, number of positions cross connector: not relevant

ME 12,5 UTG KMGY - Mounting base housing

2854762

https://www.phoenixcontact.com/us/products/2854762

DIN rail housing, Lower housing part with metal foot catch, tall design, without vents, width: 12.6 mm, height: 99 mm, depth: 107.3 mm, color: light gray (similar RAL 7035), cross connection: without bus connector, number of positions cross connector: not relevant

ME 12,5 OTU-MKDSO KMGY - Upper housing part

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https://www.phoenixcontact.com/us/products/2278869

ME 12,5 UT/FE KMGY - Mounting base housing

2202695

https://www.phoenixcontact.com/us/products/2202695

DIN rail housing, Lower housing part with metal foot catch, with FE contact, tall design, with vents, width: 12.6 mm, height: 99 mm, depth: 107.3 mm, color: light gray (similar RAL 7035), cross connection: without bus connector, number of positions cross connector: not relevant

ME 12,5 UTG/FE KMGY - Mounting base housing

2202696

https://www.phoenixcontact.com/us/products/2202696

DIN rail housing, Lower housing part with metal foot catch, with FE contact, tall design, without vents, width: 12.6 mm, height: 99 mm, depth: 107.3 mm, cross connection: without bus connector, number of positions cross connector: not relevant

Accessories

ME 12,5 OTU-MKDSO KMGY - Upper housing part

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https://www.phoenixcontact.com/us/products/2278869

ME B-12,5 MKDSO KMGY - Filler plug

2201862

https://www.phoenixcontact.com/us/products/2201862

DIN rail housing, Filler plug for unoccupied terminal points (MKDSO), width: 11 mm, height: 17.05 mm, depth: 8.55 mm, color: light gray (similar RAL 7035)

HS LC-H-D3/ R1XC1 - Fiber optic

2202313

https://www.phoenixcontact.com/us/products/2202313

Multiple light guides, passive, rigid, Cylinder head, Emission surface: planar, Number of displays: 1, (1 row, 1 column), pitch: 5.08 mm, ESD protection: <10 kV, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

ME 12,5 OTU-MKDSO KMGY - Upper housing part

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https://www.phoenixcontact.com/us/products/2278869

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

2202314

https://www.phoenixcontact.com/us/products/2202314

Single light guide, passive, rigid, Rectangular, straight, Emission surface: planar, Number of displays: 1, (1 row, 1 column), ESD protection: <10 kV, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

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

2202315

https://www.phoenixcontact.com/us/products/2202315

Multiple light guides, passive, rigid, Cylinder head, Emission surface: planar, Number of displays: 2, (2 rows, 1 column), pitch: 5.08 mm, ESD protection: <5 kV, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

ME 12,5 OTU-MKDSO KMGY - Upper housing part

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

2202316

https://www.phoenixcontact.com/us/products/2202316

Multiple light guides with glare protection, passive, rigid, Raised head, Emission surface: spherical, Number of displays: 2, (2 rows, 1 column), pitch: 2.54 mm, ESD protection: <8 kV, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

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

2202317

https://www.phoenixcontact.com/us/products/2202317

Multiple light guides with glare protection, passive, rigid, Raised head, Emission surface: spherical, Number of displays: 4, (2 rows, 2 columns), pitch: 2.54 mm, ESD protection: <8 kV, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

ME 12,5 OTU-MKDSO KMGY - Upper housing part

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

2202318

https://www.phoenixcontact.com/us/products/2202318

Multiple light guides with glare protection, passive, rigid, Raised head, Emission surface: spherical, Number of displays: 10, (2 rows, 5 columns), pitch: 2.54 mm, ESD protection: <8 kV, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

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

2202319

https://www.phoenixcontact.com/us/products/2202319

Multiple light guides with glare protection, passive, rigid, Raised head, Emission surface: spherical, Number of displays: 20, (2 rows, 10 columns), pitch: 2.54 mm, ESD protection: <8 kV, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

ME 12,5 OTU-MKDSO KMGY - Upper housing part

2278869

https://www.phoenixcontact.com/us/products/2278869

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

1036658

https://www.phoenixcontact.com/us/products/1036658

Multiple light guides with glare protection, passive, rigid, Raised head, conical, Emission surface: spherical, Number of displays: 2, (2 rows, 1 column), pitch: 2.54 mm, ESD protection: <8 kV, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

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

1043044

https://www.phoenixcontact.com/us/products/1043044

Multiple light guides with glare protection, passive, rigid, Raised head, conical, Emission surface: spherical, Number of displays: 4, (2 rows, 2 columns), pitch: 2.54 mm, ESD protection: <8 kV, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

ME 12,5 OTU-MKDSO KMGY - Upper housing part

2278869

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

1071310

https://www.phoenixcontact.com/us/products/1071310

Multiple light guides with glare protection, passive, rigid, Raised head, conical, Emission surface: spherical, Number of displays: 10, (2 rows, 5 columns), pitch: 2.54 mm, ESD protection: <8 kV, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

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

1071314

https://www.phoenixcontact.com/us/products/1071314

Multiple light guides with glare protection, passive, rigid, Raised head, conical, Emission surface: spherical, Number of displays: 20, (2 rows, 10 columns), pitch: 2.54 mm, ESD protection: <8 kV, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)