ME 45 OT-MKDSO KMGY - Upper housing part

2853255

https://www.phoenixcontact.com/us/products/2853255

PHŒNIX CONTACT

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DIN rail housing, Upper housing part for PCB terminal blocks with screw connection, width: 45.2 mm, height: 99 mm, depth: 45.85 mm, color: light grey (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	2853255
Packing unit	10 pc
Minimum order quantity	10 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	ACHAAD
Catalog page	Page 579 (CC-2009)
GTIN	4017918425814
Weight per piece (including packing)	23.06 g
Weight per piece (excluding packing)	16.06 g
Customs tariff number	85389099
Country of origin	DE

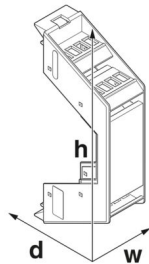# ME 45 OT-MKDSO KMGY - Upper housing part

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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 45..
Max. number of positions	40 (pitch: 3.5 mm)
	32 (pitch: 5 mm)
	)
Type	Upper housing part for PCB terminal blocks with screw connection
Ventilation openings present	no

Dimensions

Dimensional drawing	
Width	45.2 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 grey (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	2
Type of PCB mount	Slot
Thickness of the PCB	1.4 mm ... 1.8 mm

Mounting

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Mounting type	Latching with lower housing part
Mounting position	Vertical (horizontal DIN rail)

Packaging specifications

Type of packaging	packed in cardboard
Outer packaging type	Carton

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Drawings

Dimensional drawing

h

d

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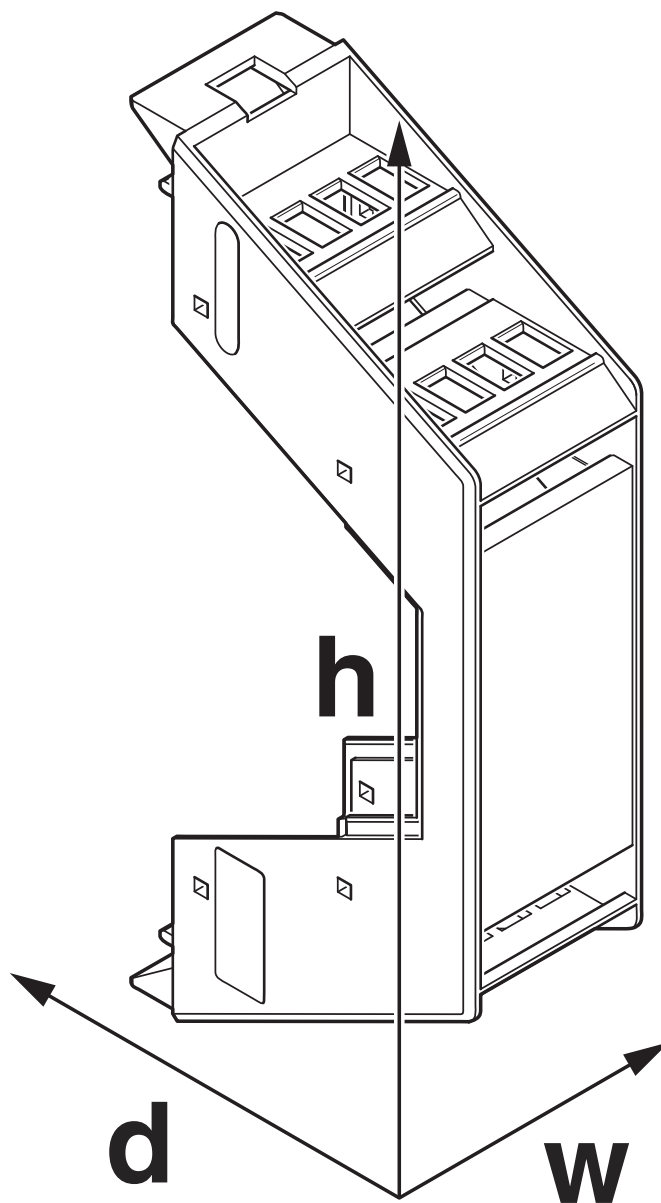
Schematic figure for illustrating the item dimensions. The figure is not of the desired product. For further details, refer to the product drawings in the "Downloads" tab.

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2853255

UL Recognized
Approval ID: FILE E 240868

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Classifications

ECLASS

ECLASS-11.0	27182702
ECLASS-13.0	27190603

ETIM

ETIM 9.0	EC002779

UNSPSC

UNSPSC 21.0	31261500

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

2278393

https://www.phoenixcontact.com/us/products/2278393

PCB terminal block, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm^2, number of potentials: 5, number of rows: 1, number of positions per row: 5, 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 grey, Pin layout: Linear pinning, Solder pin [P]: 2.3 mm, number of solder pins per potential: 1, type of packaging: packed in cardboard. Product with pin output on left side

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

2278416

https://www.phoenixcontact.com/us/products/2278416

PCB terminal block, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm^2, number of potentials: 5, number of rows: 1, number of positions per row: 5, 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 grey, Pin layout: Linear pinning, Solder pin [P]: 2.3 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/ 4-L KMGY - PCB terminal block

2908485

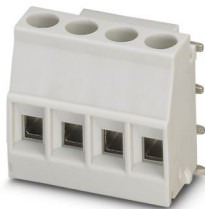https://www.phoenixcontact.com/us/products/2908485

PCB terminal block, nominal current: 24 A, rated voltage (III/2): 400 V, nominal cross section: 2.5 mm^2, number of potentials: 4, number of rows: 1, number of positions per row: 4, 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 grey, 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/ 4-R KMGY - PCB terminal block

2908472

https://www.phoenixcontact.com/us/products/2908472

PCB terminal block, nominal current: 24 A, rated voltage (III/2): 400 V, nominal cross section: 2.5 mm^2, number of potentials: 4, number of rows: 1, number of positions per row: 4, 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 grey, 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

Accessories

ME 45 OT-MKDSO KMGY - Upper housing part

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HS LC-H-D3/ R1XC1 - Fiber optic

2202313

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

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

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

2202314

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

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

ME 45 OT-MKDSO KMGY - Upper housing part

2853255

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

2202315

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

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

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

ME 45 OT-MKDSO KMGY - Upper housing part

2853255

https://www.phoenixcontact.com/us/products/2853255

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

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

ME 45 OT-MKDSO KMGY - Upper housing part

2853255

https://www.phoenixcontact.com/us/products/2853255

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

HS LC-H-D2/ R4XC2-2,54 - Fiber optic

2202320

https://www.phoenixcontact.com/us/products/2202320

Multiple light guides with glare protection, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

ME 45 OT-MKDSO KMGY - Upper housing part

2853255

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HS LC-H-D2/ R4XC5-2,54 - Fiber optic

2202321

https://www.phoenixcontact.com/us/products/2202321

Multiple light guides with glare protection, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

HS LC-H-D2/ R4XC9-2,54 - Fiber optic

2202322

https://www.phoenixcontact.com/us/products/2202322

Multiple light guides with glare protection, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

ME 45 OT-MKDSO KMGY - Upper housing part

2853255

https://www.phoenixcontact.com/us/products/2853255

HS LC-H-D2/ R4XC10-2,54 - Fiber optic

2202323

https://www.phoenixcontact.com/us/products/2202323

Multiple light guides with glare protection, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)