

# ME 22,5 OT-MKDSO SET - Upper housing part



2907473

<https://www.phoenixcontact.com/gb/products/2907473>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

DIN rail housing, Set comprised of upper housing part and 4 PCB terminal blocks (4-pos.) with screw connection, width: 22.6 mm, height: 99 mm, depth: 45.85 mm, color: green (similar RAL 6021)



## 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	2907473
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	ACHAAD
Product key	ACHAAD
Catalog page	Page 671 (C-1-2013)
GTIN	4017918131562
Weight per piece (including packing)	46.6 g
Weight per piece (excluding packing)	41 g
Customs tariff number	85369010
Country of origin	DE

# ME 22,5 OT-MKDSO SET - Upper housing part

2907473

<https://www.phoenixcontact.com/gb/products/2907473>

## Set consists of

### ME 22,5 OT-MKDSO GN - Upper housing part

2907172

<https://www.phoenixcontact.com/gb/products/2907172>



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: green (similar RAL 6021)

---

### MKDSO 2,5/ 4-L - PCB terminal block

1707234

<https://www.phoenixcontact.com/gb/products/1707234>



Printed circuit board terminal, nominal current: 24 A, rated voltage (III/2): 400 V, nominal cross section: 2.5 mm<sup>2</sup>, 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: green, 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

# ME 22,5 OT-MKDSO SET - Upper housing part

2907473

<https://www.phoenixcontact.com/gb/products/2907473>

## MKDSO 2,5/ 4-R - PCB terminal block

1707247

<https://www.phoenixcontact.com/gb/products/1707247>



Printed circuit board terminal, nominal current: 24 A, rated voltage (III/2): 400 V, nominal cross section: 2.5 mm<sup>2</sup>, 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: green, 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

# ME 22,5 OT-MKDSO SET - Upper housing part



2907473

<https://www.phoenixcontact.com/gb/products/2907473>

## Technical data

### Notes

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

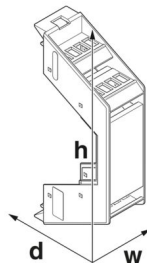
### Product properties

Product type	Upper housing part
Housing type	DIN rail housing
Housing series	ME
Product family	ME 22,5..
Max. number of positions	16 (pitch: 5 mm)
Number of rows	2
Type	Set comprised of upper housing part and 4 PCB terminal blocks (4-pos.) with screw connection
Ventilation openings present	no

### Data management status

Article revision	04
------------------	----

### Dimensions

Dimensional drawing	
Width	22.6 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)	green (RAL 6021)
Flammability rating according to UL 94	V0
CTI according to IEC 60112	600
Housing material	Polyamide
Surface characteristics	untreated

### Environmental and real-life conditions

# ME 22,5 OT-MKDSO SET - Upper housing part



2907473

<https://www.phoenixcontact.com/gb/products/2907473>

## 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

# ME 22,5 OT-MKDSO SET - Upper housing part



2907473

<https://www.phoenixcontact.com/gb/products/2907473>

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

# ME 22,5 OT-MKDSO SET - Upper housing part

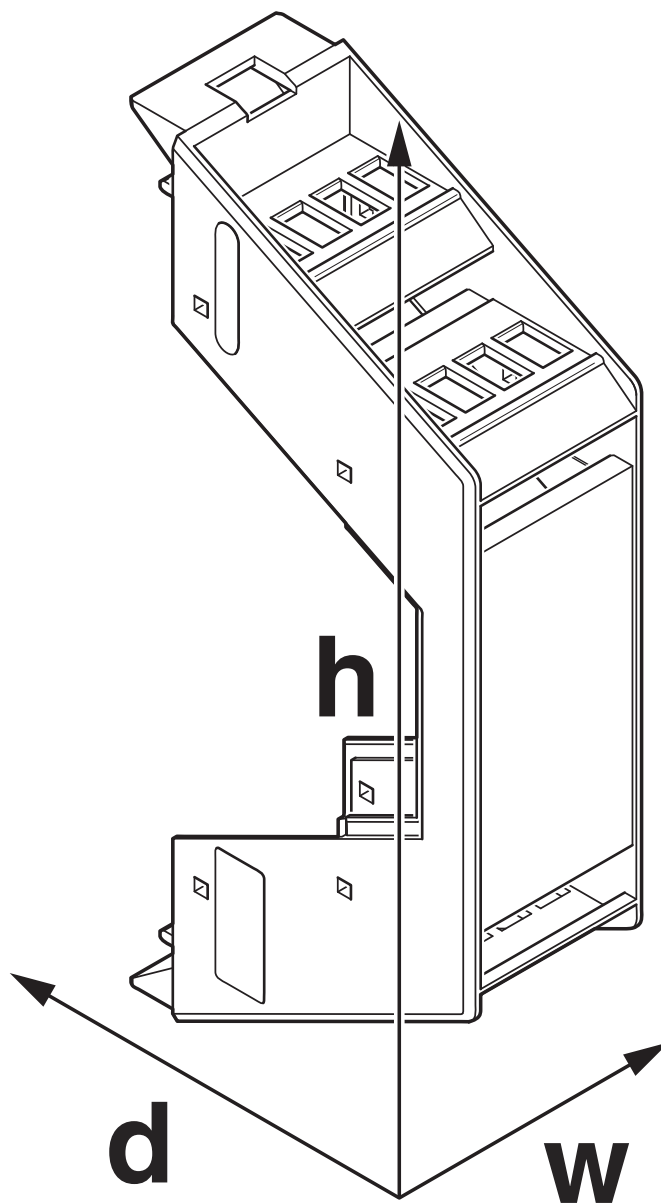
2907473

<https://www.phoenixcontact.com/gb/products/2907473>



## Drawings

Dimensional drawing



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.

# ME 22,5 OT-MKDSO SET - Upper housing part



2907473

<https://www.phoenixcontact.com/gb/products/2907473>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/2907473>

cUL Recognized Approval ID: FILE E 60425				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
Use group B	300 V	10 A	30 - 12	-
Use group D	300 V	10 A	30 - 12	-

UL Recognized Approval ID: FILE E 60425				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
Use group B	300 V	10 A	30 - 12	-
Use group D	300 V	10 A	30 - 12	-

cULus Recognized				
------------------	--	--	--	--

# ME 22,5 OT-MKDSO SET - Upper housing part



2907473

<https://www.phoenixcontact.com/gb/products/2907473>

## Classifications

### ECLASS

ECLASS-11.0	27182702
ECLASS-13.0	27190401

### ETIM

ETIM 9.0	EC001031
----------	----------

### UNSPSC

UNSPSC 21.0	31261500
-------------	----------

# ME 22,5 OT-MKDSO SET - Upper housing part



2907473

<https://www.phoenixcontact.com/gb/products/2907473>

## Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

Phoenix Contact 2024 © - all rights reserved  
<https://www.phoenixcontact.com>

PHOENIX CONTACT Ltd  
Halesfield 13, Telford  
Shropshire, TF7 4PG  
01952 681700  
[info@phoenixcontact.co.uk](mailto:info@phoenixcontact.co.uk)