ME 45 OT-MKDSO SET - Upper housing part

2909345

https://www.phoenixcontact.com/us/products/2909345

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The figure shows the upper housing part without connection technology

DIN rail housing, Set comprised of upper housing part and 8 PCB terminal blocks (4-pos.) with screw connection, width: 45.2 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	2909345
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AC08
Product key	ACHAAD
GTIN	4017918163327
Weight per piece (including packing)	85.4 g
Weight per piece (excluding packing)	79.4 g
Customs tariff number	85369010
Country of origin	DE

Set consists of

ME 45 OT-MKDSO GN - Upper housing part

2909390

https://www.phoenixcontact.com/us/products/2909390



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: green (similar RAL 6021)

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

1707234

https://www.phoenixcontact.com/us/products/1707234



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: 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

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

1707247

https://www.phoenixcontact.com/us/products/1707247



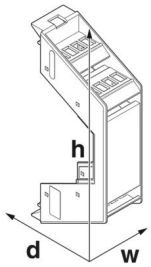
PCB terminal block, nominal current: 24 A, rated voltage (III/2): 400 V, nominal cross section: 2.5 mm^2, number of potentials: 4, number of rows: 1, number of positions per row: 4, product range: MKDSO 2,5/..-R, pitch: 5 mm, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: 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

Technical data

Product properties

Product type	Upper housing part
Housing type	DIN rail housing
Housing series	ME
Product family	ME 45..
Max. number of positions	32 (pitch: 5 mm)
	)
	)
Number of rows	2
Ventilation openings present	no
Anzahl der Etagen Housing (Makro)	2 (Both sides)

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 (Upper housing part)	green (RAL 6021)
Material Upper housing part	PA
Flammability rating according to UL 94	V0
CTI according to IEC 60112	600

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

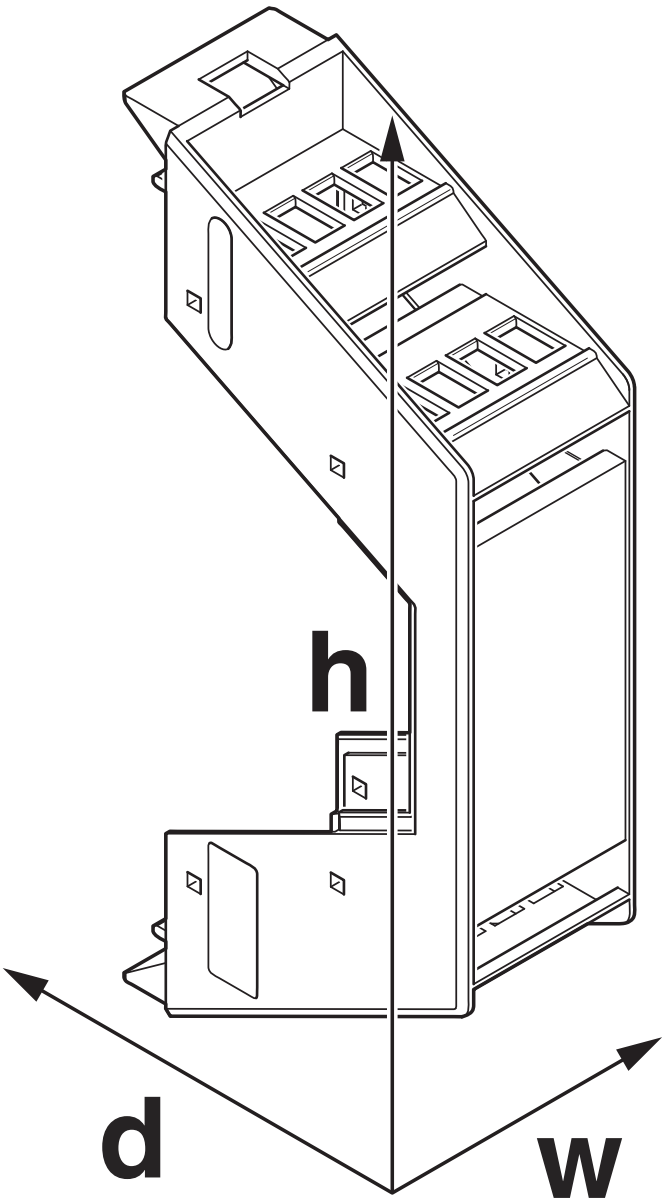
Mounting type	Latching with lower housing part

Packaging specifications

Type of packaging	packed in cardboard
Outer packaging type	Carton

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.

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2909345

cULus Recognized
Approval ID: E60425-20000711

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B				
	300 V	10 A	30 - 12	-
D				
	300 V	10 A	30 - 12	-

Classifications

ECLASS

ECLASS-13.0	27190401
ECLASS-15.0	27190401

ETIM

ETIM 10.0	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%

EF3.1 Climate Change

CO2e kg	0.324 kg CO2e

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