PHŒNIX CONTACT

Upper part of housing - ME 22,5 OT-MKDSO SET - 2907473

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

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

RoHS | **IP20**

Key Commercial Data

Packing unit	1 pc
GTIN	4 017918 131562
GTIN	4017918131562

Technical data

Item properties

Brief article description	Upper part of housing
Type	ME 22,5 OT-MKDSO SET
Item no.	2907473
Housing type	DIN rail housing
Housing series	ME
Range of articles	ME...OT-MKDSO SET
Type	Set comprised of an upper housing part and PCB terminal blocks with screw connection
Max. IP code to attain	IP20

Upper part of housing - ME 22,5 OT-MKDSO SET - 2907473

Technical data

Item properties

Mounting type	Latching with lower housing part
Number of rows	2
Connection levels	2 (Both sides)
Ventilation openings present	no
Max. number of positions	16 (pitch: 5 mm)

Dimensions

Caption	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.
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

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

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
PCB thickness	1.4 mm ... 1.8 mm
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)

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Technical data

Vibration test

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
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	1
Denomination packing units	Pcs.
Outer packaging type	Carton

Standards and regulations

Flammability rating according to UL 94	V0

Environmental Product Compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years

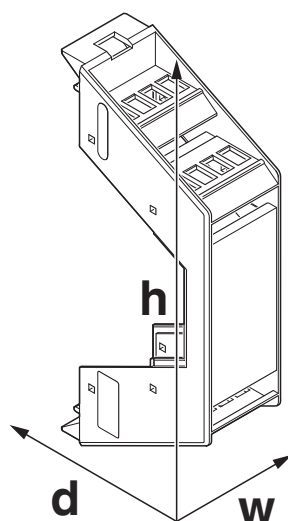# Upper part of housing - ME 22,5 OT-MKDSO SET - 2907473

Technical data

Environmental Product Compliance

	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

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.

Articles in set

Upper part of housing - ME 22,5 OT-MKDSO GN - 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 (6021)

PCB terminal block - MKDSO 2,5/ 4-L - 1707234

PCB terminal block, nominal current: 24 A, rated voltage (III/2): 400 V, nominal cross section: 2.5 mm², 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, type of packaging: packed in cardboard. Article with lateral pin exit

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Upper part of housing - ME 22,5 OT-MKDSO SET - 2907473

Articles in set

PCB terminal block - MKDSO 2,5/ 4-R - 1707247

PCB terminal block, nominal current: 24 A, rated voltage (III/2): 400 V, nominal cross section: 2.5 mm², 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, type of packaging: packed in cardboard. Product with pin output on right side

Classifications

eCl@ss

eCl@ss 10.0.1	27182702
eCl@ss 11.0	27182702
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 9.0	27182702

ETIM

ETIM 2.0	EC001031
ETIM 3.0	EC001031
ETIM 4.0	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

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Approvals

Approvals

cUL Recognized / 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	
mm²/AWG/kcmil	30-12	30-12	

cULus Recognized	

Accessories

Accessories

Fiber optic

Fiber optic - HS LC-H-D3/ R1XC1 - 2202313

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-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)

Upper part of housing - ME 22,5 OT-MKDSO SET - 2907473

Accessories

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)

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)

Upper part of housing - ME 22,5 OT-MKDSO SET - 2907473

Accessories

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)

Fiber optic - HS LC-H-D2C/ R4XC5-2,54 - 1071318

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 SET - 2907473

Accessories

Fiber optic - HS LC-H-D2C/ R4XC9-2,54 - 1071321

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-D2C/ R4XC10-2,54 - 1071329

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

Mounting material

Shield connection clamp - ME-SAS - 2853899

Shield connection clamp for terminal points starting from 2.5 mm^2

Shield connection clamp - ME-SAS - 2853899

Shield connection clamp for terminal points starting from 2.5 mm^2

Shield connection clamp - ME-SAS MINI - 2200456

Shield connection clamp for terminal points starting from 1.5 mm²

Necessary add-on products

Upper part of housing - ME 22,5 OT-MKDSO SET - 2907473

Accessories

Mounting base housing - ME 22,5 UT GN - 2907130

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, color: green (6021), cross connection: without bus connector, number of positions cross connector: not relevant

Mounting base housing - ME 22,5 UT/FE GN - 2907114

DIN rail housing, Lower housing part with metal foot catch, with FE contact, tall design, with vents, width: 22.6 mm, height: 99 mm, depth: 107.3 mm, color: green (6021), cross connection: without bus connector, number of positions cross connector: not relevant

Mounting base housing - ME 22,5 UT/FE BUS/ 5+2 GN - 2854209

DIN rail housing, Lower housing part with metal foot catch, with FE contact, tall design, with vents, width: 22.6 mm, height: 99 mm, depth: 107.3 mm, color: green (6021), cross connection: integrated bus connector, number of positions cross connector: 5+2, Bus connector: 5 parallel contacts, 2 serial contacts

Mounting base housing - ME 22,5 UT/FE BUS/10+2 GN - 2854212

DIN rail housing, Lower housing part with metal foot catch, with FE contact, tall design, with vents, width: 22.6 mm, height: 99 mm, depth: 107.3 mm, color: green (6021), cross connection: integrated bus connector, number of positions cross connector: 10+2, Bus connector: 10 parallel contacts, 2 serial contacts

Mounting base housing - ME 22,5 UT/FE BUS/ 5 GN - 2908744

DIN rail housing, Lower housing part with metal foot catch, with FE contact, tall design, with vents, width: 22.6 mm, height: 99 mm, depth: 107.3 mm, color: green (6021), cross connection: integrated bus connector, number of positions cross connector: 5, Bus connector: 5 parallel contacts

Upper part of housing - ME 22,5 OT-MKDSO SET - 2907473

Accessories

Mounting base housing - ME 22,5 UT TBUS GN - 2707385

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, color: green (6021), cross connection: DIN rail connector (optional), number of positions cross connector: 5

Mounting base housing - ME 22,5 UT/FE BUS/10 GN - 2908755

DIN rail housing, Lower housing part with metal foot catch, with FE contact, tall design, with vents, width: 22.6 mm, height: 99 mm, depth: 107.3 mm, color: green (6021), cross connection: integrated bus connector, number of positions cross connector: 10, Bus connector: 10 parallel contacts

Mounting base housing - ME 22,5 UT BUS/10+2 GN - 2915232

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, color: green (6021), cross connection: integrated bus connector, number of positions cross connector: 10+2, Bus connector: 10 parallel contacts, 2 serial contacts

Mounting base housing - ME 22,5 UT BUS/ 5 GN - 2713418

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, color: green (6021), cross connection: integrated bus connector, number of positions cross connector: 5, Bus connector: 5 parallel contacts

Mounting base housing - ME 22,5 UTG/FE BUS/10 GN - 2853394

DIN rail housing, Lower housing part with metal foot catch, with FE contact, tall design, without vents, width: 22.6 mm, height: 99 mm, depth: 107.3 mm, color: green (6021), cross connection: integrated bus connector, number of positions cross connector: 10, Bus connector: 10 parallel contacts

Upper part of housing - ME 22,5 OT-MKDSO SET - 2907473

Accessories

Mounting base housing - ME 22,5 UTG GN - 2907127

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, color: green (6021), cross connection: without bus connector, number of positions cross connector: not relevant

Mounting base housing - ME 22,5 UTG/FE GN - 2907101

DIN rail housing, Lower housing part with metal foot catch, with FE contact, tall design, without vents, width: 22.6 mm, height: 99 mm, depth: 84.8 mm, color: green (6021), cross connection: without bus connector, number of positions cross connector: not relevant

Mounting base housing - ME 22,5 UTG TBUS GN - 2707408

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, color: green (6021), cross connection: DIN rail connector (optional), number of positions cross connector: 5

Mounting base housing - ME 22,5 UTG/FE TBUS GN - 2200044

DIN rail housing, Lower housing part with metal foot catch, with FE contact, tall design, without vents, width: 22.6 mm, height: 99 mm, depth: 107.3 mm, color: green (6021), cross connection: DIN rail connector (optional), number of positions cross connector: 5

Mounting base housing - ME 22,5 UTG/FE BUS/10+2 GN - 2279499

DIN rail housing, Lower housing part with metal foot catch, with FE contact, tall design, without vents, width: 22.6 mm, height: 99 mm, depth: 107.3 mm, color: green (6021), cross connection: integrated bus connector, number of positions cross connector: 10+2, Bus connector: 10 parallel contacts, 2 serial contacts

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