ME 45 UT RD - Mounting base housing

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, Lower housing part with metal foot catch, tall design, with vents, width: 45.2 mm, height: 99 mm, depth: 107.3 mm, color: red (similar RAL 3001), cross connection: without bus connector, number of positions cross connector: not relevant

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

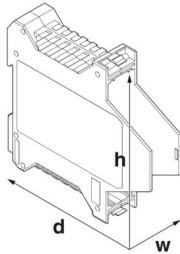|	
Item number	2709972
Packing unit	10 pc
Minimum order quantity	10 pc
Note	Made to order (non-returnable)
Sales key	ACH
Product key	ACHAAA
GTIN	4017918888398
Weight per piece (including packing)	65.14 g
Weight per piece (excluding packing)	64.12 g
Customs tariff number	85389099
Country of origin	DE

ME 45 UT RD - Mounting base housing

2709972

https://www.phoenixcontact.com/in/products/2709972

Technical data

Notes

Assembly note	Please observe the application note in the download area.

Product properties

Product type	Enclosure bottom part
Housing type	DIN rail housing
Housing series	ME
Product family	ME 45..
Type	Lower housing parts with vents, housing cover necessary to complete the module
Max. number of positions	0)
Type	Lower housing part with metal foot catch, tall design
Ventilation openings present	yes

Dimensions

Dimensional drawing	
Width	45.2 mm
Height	99 mm
Depth	107.3 mm
Depth from top edge of DIN rail	100.7 mm
Depth from top edge of DIN rail to support point on upper part	68.5 mm

PCB design	
PCB thickness	1.4 mm ... 1.8 mm

Material specifications

Color (Housing)	red (RAL 3001)
Flammability rating according to UL 94	V0
CTI according to IEC 60112	600
Housing material	PA
Surface characteristics	untreated

Environmental and real-life conditions

Power dissipation single housing for 20 °C	
Ambient temperature	20 °C

Reduction factor	1
Mounting position	vertical
Power dissipation	8.2 W

Power dissipation single housing for 30 °C

Ambient temperature	30 °C
Reduction factor	0.91
Mounting position	vertical
Power dissipation	7.5 W

Power dissipation single housing for 40 °C

Ambient temperature	40 °C
Reduction factor	0.81
Mounting position	vertical
Power dissipation	6.6 W

Power dissipation single housing for 50 °C

Ambient temperature	50 °C
Reduction factor	0.7
Mounting position	vertical
Power dissipation	5.7 W

Power dissipation single housing for 60 °C

Ambient temperature	60 °C
Reduction factor	0.57
Mounting position	vertical
Power dissipation	4.7 W

Power dissipation single housing for 70 °C

Ambient temperature	70 °C
Reduction factor	0.49
Mounting position	vertical
Power dissipation	4 W

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	Insertion (optional latching by PCB stop)
Thickness of the PCB	1.4 mm ... 1.8 mm

Mounting

Mounting type	DIN rail mounting

Packaging specifications

Type of packaging	packed in cardboard
Outer packaging type	Carton

ME 45 UT RD - Mounting base housing

2709972

https://www.phoenixcontact.com/in/products/2709972

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/in/products/2709972

cUL Recognized
Approval ID: FILE E 60425

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

UL Recognized
Approval ID: E240868

cULus Recognized

ME 45 UT RD - Mounting base housing

2709972

https://www.phoenixcontact.com/in/products/2709972

Classifications

ECLASS

ECLASS-11.0	27182702
ECLASS-13.0	27190601

ETIM

ETIM 9.0	EC002779

UNSPSC

UNSPSC 21.0	31261500

ME 45 UT RD - Mounting base housing

2709972

https://www.phoenixcontact.com/in/products/2709972

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%

ME 45 UT RD - Mounting base housing

2709972

https://www.phoenixcontact.com/in/products/2709972

Mandatory accessories

ME 45 OT-MSTBO RD - Upper housing part

2709480

https://www.phoenixcontact.com/in/products/2709480

DIN rail housing, Upper housing part for connectors with header, width: 45.2 mm, height: 99 mm, depth: 45.85 mm, color: red (similar RAL 3001)
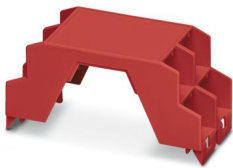
ME 45 OT-MKDSO RD - Upper housing part

2706580

https://www.phoenixcontact.com/in/products/2706580

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: red (similar RAL 3001)
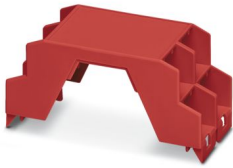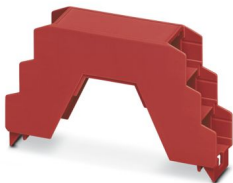
ME 45 UT RD - Mounting base housing

2709972

https://www.phoenixcontact.com/in/products/2709972

ME 45 OT-MSTBO RD VPE100 - Upper housing part

2201080

https://www.phoenixcontact.com/in/products/2201080

DIN rail housing, Upper housing part for connectors with header, width: 45.2 mm, height: 99 mm, depth: 45.85 mm, color: red (similar RAL 3001)

ME 22,5 OT-3MSTBO RD - Upper housing part

2697181

https://www.phoenixcontact.com/in/products/2697181

DIN rail housing, Upper housing part for connectors with header, width: 22.6 mm, height: 102 mm, depth: 60.15 mm, color: red (similar RAL 3001)

ME 45 UT RD - Mounting base housing

2709972

https://www.phoenixcontact.com/in/products/2709972

ME 22,5 OT-1MSTBO RD - Upper housing part

2279635

https://www.phoenixcontact.com/in/products/2279635

DIN rail housing, Upper housing part for connectors with header, width: 22.6 mm, height: 99 mm, depth: 45.85 mm, color: red (similar RAL 3001)
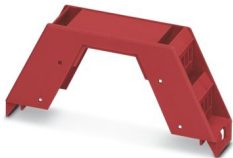
ME 22,5 OT-MKDSO RD - Upper housing part

2853365

https://www.phoenixcontact.com/in/products/2853365

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: red (similar RAL 3001)

ME 45 UT RD - Mounting base housing

2709972

https://www.phoenixcontact.com/in/products/2709972

ME 22,5 OT-MSTBO RD VPE100 - Upper housing part

2201079

https://www.phoenixcontact.com/in/products/2201079

DIN rail housing, Upper housing part for connectors with header, width: 22.6 mm, height: 99 mm, depth: 45.85 mm, color: red (similar RAL 3001)

ME 22,5 OT-MSTBO RD - Upper housing part

2709121

https://www.phoenixcontact.com/in/products/2709121

DIN rail housing, Upper housing part for connectors with header, width: 22.6 mm, height: 99 mm, depth: 45.85 mm, color: red (similar RAL 3001)

Accessories

ME 45 UT RD - Mounting base housing

2709972

https://www.phoenixcontact.com/in/products/2709972

ME LPZS - PCB stop

2906911

https://www.phoenixcontact.com/in/products/2906911

DIN rail housing, after approx. 4 cm, the ME LPZS PCB pull-out stop prevents the PCB from being removed completely and locks the PCB in place

ME MF 17,5 - Base latch

2908281

https://www.phoenixcontact.com/in/products/2908281

Metal foot catch with spring, for intermediate elements.

ME 45 UT RD - Mounting base housing

2709972

https://www.phoenixcontact.com/in/products/2709972

ME-SAS - Shield connection clamp

2853899

https://www.phoenixcontact.com/in/products/2853899

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

ME LP - PCB

2906908

https://www.phoenixcontact.com/in/products/2906908

PCB, for custom fitting, with contact to DIN rail (EN 60715)

ME 45 UT RD - Mounting base housing
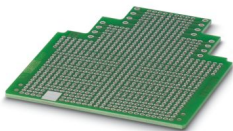
2709972

https://www.phoenixcontact.com/in/products/2709972

EML (44X76)R-ME - Label for ME ... UT ... housing

0828130

https://www.phoenixcontact.com/in/products/0828130

Label for ME ... UT ... housing, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, THERMOMARK ROLL X1, THERMOMARK ROLL 2.0, THERMOMARK ROLL, mounting type: adhesive, Number of individual labels: 200, text field height: 76 mm, text field width: 44 mm