

ME 45 UTM KMGY - Intermediate element



2697437

<https://www.phoenixcontact.com/us/products/2697437>

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, Intermediate element, for modular extension of the housing volume, tall design, with vents, width: 22.6 mm, height: 99 mm, depth: 74 mm, color: light grey (similar RAL 7035), 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	2697437
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	AC08
Product key	ACHAAZ
GTIN	4017918984618
Weight per piece (including packing)	19.66 g
Weight per piece (excluding packing)	14.411 g
Customs tariff number	85389099
Country of origin	DE

ME 45 UTM KMGY - Intermediate element



2697437

<https://www.phoenixcontact.com/us/products/2697437>

Technical data

Notes

Assembly note	Refer to the data sheet for the range in the download area.
Recommendation	Material of contact pads for bus connector, galvanic gold (hard gold)

Product properties

Product type	Component housing center part
Housing type	DIN rail housing
Housing series	ME
Product family	ME 45..
Type	Intermediate element, for modular extension of the housing volume, tall design
Ventilation openings present	yes

Data management status

Article revision	01
------------------	----

Dimensions

Dimensional drawing	
Width	22.6 mm
Height	99 mm
Depth	74 mm
Depth from top edge of DIN rail	68.5 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)	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

ME 45 UTM KMGY - Intermediate element



2697437

<https://www.phoenixcontact.com/us/products/2697437>

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
---------------	------------------------

ME 45 UTM KMGY - Intermediate element



2697437

<https://www.phoenixcontact.com/us/products/2697437>

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
Mounting position	Vertical (horizontal DIN rail)

Packaging specifications

Type of packaging	packed in cardboard
Outer packaging type	Carton

ME 45 UTM KMGY - Intermediate element



2697437

<https://www.phoenixcontact.com/us/products/2697437>

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 45 UTM KMGY - Intermediate element



2697437

<https://www.phoenixcontact.com/us/products/2697437>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2697437>



UL Recognized

Approval ID: FILE E 240868

ME 45 UTM KMGY - Intermediate element



2697437

<https://www.phoenixcontact.com/us/products/2697437>

Classifications

ECLASS

ECLASS-11.0	27182702
ECLASS-13.0	27190604

ETIM

ETIM 9.0	EC002779
----------	----------

UNSPSC

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

ME 45 UTM KMGY - Intermediate element



2697437

<https://www.phoenixcontact.com/us/products/2697437>

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 UTM KMGY - Intermediate element

2697437

<https://www.phoenixcontact.com/us/products/2697437>



Accessories

ME MF 17,5 - Base latch

2908281

<https://www.phoenixcontact.com/us/products/2908281>

Metal foot catch with spring, for intermediate elements.



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

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com