Mounting base housing - ME 12,5 UT/FE KMGY - 2202695

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DIN rail housing, Lower housing part with metal foot catch, tall design, with vents, width: 12.6 mm, height: 99 mm, depth: 107.3 mm, cross connection: without bus connector, number of positions cross connector: not relevant, color: light gray (7035)

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

Key Commercial Data

Packing unit	10 pc
Minimum order quantity	10 pc
GTIN	4 055626 170275
GTIN	4055626170275

Technical data

Item properties

Brief article description	Mounting base housing
Type	ME 12,5 UT/FE KMGY
Order No.	2202695
Housing type	DIN rail housing
Type	Lower housing part with metal foot catch, tall design
Max. IP code to attain	IP20
Mounting type	DIN rail mounting
Ventilation openings present	yes

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Dimensions

Width [w]	12.6 mm
Height [h]	99 mm
Depth [d]	107.3 mm
Depth from top edge of DIN rail [d]	99.8 mm
Depth from top edge of DIN rail to support point on upper part [d]	68.5 mm

Material data

Color (RAL)	light gray (7035)
Flammability rating according to UL 94	V0
Housing material	Polyamide

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

Power dissipation, single housing at 20 °C

Ambient temperature	20 °C
Reduction factor	1
Mounting position	vertical
Power dissipation	4.4 W

Power dissipation, single housing at 30 °C

Ambient temperature	30 °C
Reduction factor	0.91
Mounting position	vertical
Power dissipation	4 W

Power dissipation, single housing at 40 °C

Ambient temperature	40 °C
Reduction factor	0.81
Mounting position	vertical
Power dissipation	3.6 W

Power dissipation, single housing at 50 °C

Ambient temperature	50 °C
Reduction factor	0.7
Mounting position	vertical

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Power dissipation, single housing at 50 °C

Power dissipation	3.1 W

Power dissipation, single housing at 60 °C

Ambient temperature	60 °C
Reduction factor	0.57
Mounting position	vertical
Power dissipation	2.5 W

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)
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

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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	10
Denomination packing units	Pcs.
Outer packaging type	Carton

Standards and regulations

Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Classifications

eCl@ss

eCl@ss 10.0.1	27182702
eCl@ss 6.0	27180800
eCl@ss 7.0	27182702
eCl@ss 8.0	27182702
eCl@ss 9.0	27182702

ETIM

ETIM 5.0	EC001031
ETIM 6.0	EC001031
ETIM 7.0	EC001031

UNSPSC

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

EAC

Ex Approvals

Approval details

EAC	EAC	B.01742

Accessories

Accessories

Ground contact

Functional earth ground contact - ME BUS FE CONTACT - 2278076

DIN rail housing, FE contact, color: silver

Mounting material

Components of electronic housing - ME LPZS - 2906911

DIN rail housing, PCB stop

Necessary add-on products

Upper part of housing - ME 12,5 OT-MKDSO KMGY - 2200713

Component housing, Upper housing part for PCB terminal blocks with screw connection, width: 12.6 mm, height: 99 mm, depth: 45.85 mm, color: light gray (7035)

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Accessories

Upper part of housing - ME 12,5 OT-FKDSO KMGY - 2200321

DIN rail housing, Upper housing part for PCB terminal blocks with Push-in spring connection, width: 12.6 mm, height: 99 mm, depth: 45.85 mm, color: light gray (7035)

Upper part of housing - ME 12,5 OTU-MKDSO KMGY - 2278869

DIN rail housing, Upper housing part for PCB terminal blocks with screw connection, width: 12.6 mm, height: 99 mm, depth: 45.85 mm, color: light gray (7035)

Upper part of housing - ME 12,5 OT-MSTBO KMGY - 2854775

DIN rail housing, Upper housing part for connectors with header, width: 12.6 mm, height: 99 mm, depth: 45.85 mm, color: light gray (7035)

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