ME 22,5 F-UT BUS/10+2 KMGY - Mounting base housing

2202732

https://www.phoenixcontact.com/pc/products/2202732

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DIN rail housing, Lower housing part with metal foot catch, flat design, with vents, width: 22.6 mm, height: 99 mm, depth: 84.8 mm, color: light grey (similar RAL 7035), cross connection: integrated bus connector, number of positions cross connector: 10+2, Bus connector: 10 parallel contacts, 2 serial contacts

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	2202732
Packing unit	10 pc
Minimum order quantity	10 pc
Note	Made to order (non-returnable)
Product key	ACHAAB
GTIN	4055626170350
Weight per piece (including packing)	46.45 g
Weight per piece (excluding packing)	41.298 g
Customs tariff number	85369010
Country of origin	DE

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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	Enclosure bottom part
Housing type	DIN rail housing
Housing series	ME
Product family	ME 22,5..
Max. number of positions	0)
Type	Lower housing part with metal foot catch, flat design
Ventilation openings present	yes

Dimensions

Dimensional drawing	
Width	22.6 mm
Height	99 mm
Depth	84.8 mm
Depth from top edge of DIN rail	78.2 mm
Depth from top edge of DIN rail to support point on upper part	46 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

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

Reduction factor	1
Mounting position	vertical
Power dissipation	5.9 W

Power dissipation single housing for 30 °C

Ambient temperature	30 °C
Reduction factor	0.91
Mounting position	vertical
Power dissipation	5.4 W

Power dissipation single housing for 40 °C

Ambient temperature	40 °C
Reduction factor	0.81
Mounting position	vertical
Power dissipation	4.8 W

Power dissipation single housing for 50 °C

Ambient temperature	50 °C
Reduction factor	0.7
Mounting position	vertical
Power dissipation	4.1 W

Power dissipation single housing for 60 °C

Ambient temperature	60 °C
Reduction factor	0.57
Mounting position	vertical
Power dissipation	3.35 W

Power dissipation single housing for 70 °C

Ambient temperature	70 °C
Reduction factor	0.49
Mounting position	vertical
Power dissipation	2.9 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	1
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

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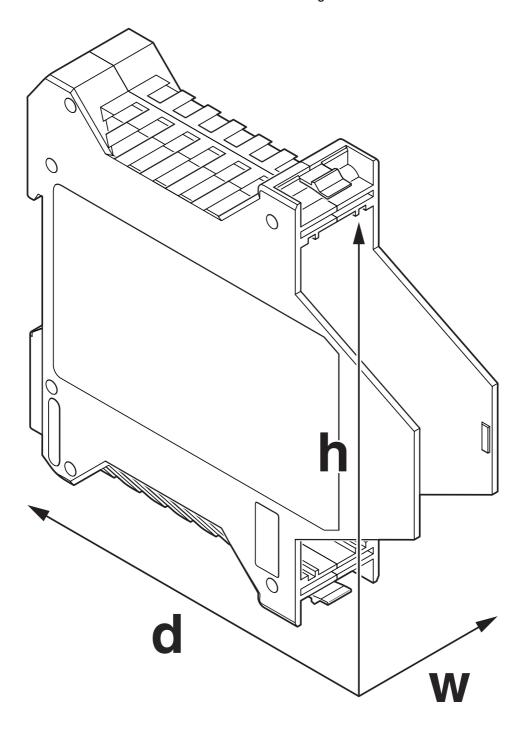
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Drawings

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/pc/products/2202732

cUL Recognized
Approval ID: FILE E 60425

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
	300 V	8 A	-	-
Use group D				
	300 V	8 A	-	-

UL Recognized
Approval ID: FILE E 60425

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
	300 V	8 A	-	-
Use group D				
	300 V	8 A	-	-

cULus Recognized

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Classifications

ECLASS

ECLASS-11.0	27182702
ECLASS-13.0	27190601

ETIM

ETIM 8.0	EC001031

UNSPSC

UNSPSC 21.0	31261500

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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%

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Mandatory accessories

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

2907761

https://www.phoenixcontact.com/pc/products/2907761

DIN rail housing, Upper housing part for connectors with header, width: 22.6 mm, height: 99 mm, depth: 45.85 mm, color: light grey (similar RAL 7035)

ME 22,5 OT-FKDSO KMGY - Upper housing part

2200323

https://www.phoenixcontact.com/pc/products/2200323

DIN rail housing, Upper housing part for PCB terminal blocks with Push-in spring connection, width: 22.6 mm, height: 99 mm, depth: 45.85 mm, color: light grey (similar RAL 7035)

ME 22,5 F-UT BUS/10+2 KMGY - Mounting base housing

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ME 22,5 OT-MKDSO KMGY - Upper housing part

2908469

https://www.phoenixcontact.com/pc/products/2908469

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: light grey (similar RAL 7035)

ME 22,5 OTU-MKDSO KMGY - Upper housing part

2278953

https://www.phoenixcontact.com/pc/products/2278953

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: light grey (similar RAL 7035)

ME 22,5 F-UT BUS/10+2 KMGY - Mounting base housing

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

2914877

https://www.phoenixcontact.com/pc/products/2914877

DIN rail housing, Upper housing part for connectors with header, width: 22.6 mm, height: 99 mm, depth: 45.85 mm, color: light grey (similar RAL 7035)

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

2914880

https://www.phoenixcontact.com/pc/products/2914880

DIN rail housing, Upper housing part for connectors with header, width: 22.6 mm, height: 102 mm, depth: 60.15 mm, color: light grey (similar RAL 7035)

Accessories

ME 22,5 F-UT BUS/10+2 KMGY - Mounting base housing

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ME LPZS - PCB stop

2906911

https://www.phoenixcontact.com/pc/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

MCVR 1,5/10-ST-3,81 KMGY AU - PCB connector

1936186

https://www.phoenixcontact.com/pc/products/1936186

PCB connector, nominal cross section: 1.5 mm^2, color: light grey, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Gold, contact connection type: Socket, number of potentials: 10, number of rows: 1, number of positions: 10, number of connections: 10, product range: MCVR 1,5/..-ST, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, conductor/PCB connection direction: 90 °, plug-in system: COMBICON MC 1,5, locking: without, mounting: without, type of packaging: packed in cardboard

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ME B-KA KMGY - Cover

2706302

https://www.phoenixcontact.com/pc/products/2706302

Terminal cover, 1 strip covers up to 12 terminal points, for ME-BUS terminal opening, (male side)

ME B-SA/NS 35 KMGY - Cover

2706700

https://www.phoenixcontact.com/pc/products/2706700

Terminal cover, 1 strip covers up to 12 terminal points, for ME-BUS male side, (female side)

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ME DH 27 NS 35 KMGY - Spacer

2706289

https://www.phoenixcontact.com/pc/products/2706289

Spacer, for protecting the input and output contacts for NS 35 DIN rails

ME DH 36 NS 35 KMGY - Spacer

2706292

https://www.phoenixcontact.com/pc/products/2706292

Spacers, for protection of the input or output contacts for DIN rail NS 35, width [B] 36 mm

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EML (44X42)R-ME - Label for ME ... F-UT ... BUS ... housing

0828279

https://www.phoenixcontact.com/pc/products/0828279

Label for ME ... F-UT ... BUS ... 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, lettering field size: 44 x 42 mm, Number of individual labels: 200