

ME MAX 45 F G 3-3 KMGY S84 - Electronics housing



2891000

<https://www.phoenixcontact.com/us/products/2891000>

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DIN rail housing, Complete housing with metal foot catch, flat design, without vents, width: 45.2 mm, height: 85 mm, depth: 92 mm, color: light grey (similar RAL 7035), cross connection: DIN rail connector (optional), number of positions cross connector: 55

Commercial data

Item number	2891000
Packing unit	10 pc
Minimum order quantity	10 pc
Note	Made to order (non-returnable)
Sales key	AC08
Product key	ACHABA
GTIN	4046356083805
Weight per piece (including packing)	88.5 g
Weight per piece (excluding packing)	60.09 g
Customs tariff number	85389099
Country of origin	DE

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Technical data

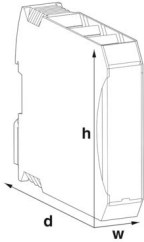
Notes

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

Product properties

Product type	Complete housing
Product family	ME MAX.. G 3-3
Housing series	ME-MAX
Max. number of positions	60 (pitch: 3.5 mm)
	48 (pitch: 5 mm)
	36 (pitch: 7.25 mm/7.5 mm)
Number of rows	3
	3
Type	Complete housing with metal foot catch, flat design
Housing type	DIN rail housing
Ventilation openings present	no

Dimensions

Dimensional drawing	
Width	45.2 mm
Height	85 mm
Depth	92 mm
Depth from top edge of DIN rail	84.5 mm

PCB design

PCB thickness	1.4 mm ... 1.8 mm
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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	7.1 W

Power dissipation single housing for 30 °C

Ambient temperature	30 °C
Reduction factor	0.91
Mounting position	vertical
Power dissipation	6.45 W

Power dissipation single housing for 40 °C

Ambient temperature	40 °C
Reduction factor	0.81
Mounting position	vertical
Power dissipation	5.75 W

Power dissipation single housing for 50 °C

Ambient temperature	50 °C
Reduction factor	0.7
Mounting position	vertical
Power dissipation	5 W

Power dissipation single housing for 60 °C

Ambient temperature	60 °C
Reduction factor	0.57
Mounting position	vertical
Power dissipation	4 W

Power dissipation single housing for 70 °C

Ambient temperature	70 °C
Reduction factor	0.49
Mounting position	vertical
Power dissipation	3.5 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

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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
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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	Latching
Thickness of the PCB	1.4 mm ... 1.8 mm

Mounting

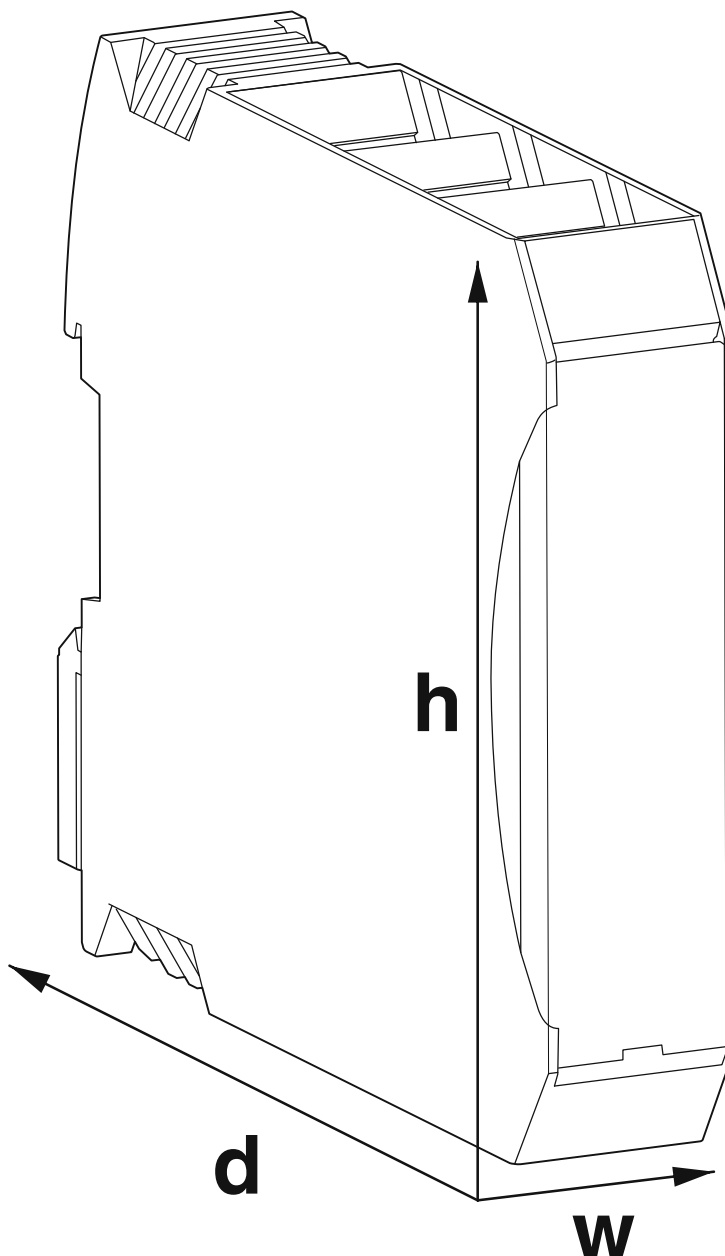
Mounting type	DIN rail mounting
Mounting position	Vertical (horizontal DIN rail)

Packaging specifications

Type of packaging	packed in cardboard
Outer packaging type	Carton

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.


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Approvals

 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2891000>



UL Recognized

Approval ID: FILE E 240868

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Classifications

ECLASS

ECLASS-11.0	27182702
ECLASS-13.0	27190101

ETIM

ETIM 8.0	EC001031
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UNSPSC

UNSPSC 21.0	31261501
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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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