

2201861

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DIN rail housing, Lower housing part with metal foot catch, ultra-flat design, without vents, width: 22.6 mm, height: 99 mm, depth: 44.3 mm, color: light grey (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 to 90 mm, modular extension 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	2201861
Packing unit	1 pc
Minimum order quantity	10 pc
Note	Made to order (non-returnable)
Sales key	AC08
Product key	ACHAAA
GTIN	4046356993302
Weight per piece (including packing)	19.7 g
Weight per piece (excluding packing)	15.04 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.

Product properties

Туре	Lower housing parts without vents, housing cover necessary to complete the module
Product type	Enclosure bottom part
Product family	MEUT
Туре	Lower housing part with metal foot catch, ultra-flat design
Housing type	DIN rail housing
Ventilation openings present	no
Housing series	ME

Dimensions

Dimensional drawing	d
Width	22.6 mm
Height	99 mm
Depth	44.3 mm
Depth from top edge of DIN rail	37.7 mm
Depth from top edge of DIN rail to support point on upper part	5.5 mm
PCB design	
PCB thickness	1.4 mm 1.8 mm

Material specifications

Color	light grey (7035)
Flammability rating according to UL 94	V0
CTI according to IEC 60112	600
Surface characteristics	untreated
Housing material	Polyamide

Environmental and real-life conditions

Vibration test

Specification	IEC 60068-2-6:2007-12
Frequency	10 - 150 - 10 Hz



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Acceleration 2g (58.1 Hz 150 Hz) Test duration per axis 2.5 h Test directions X., Y. and Z-axis 2w-wire test Specification IEC 60695-2-11:2014-02 Temperature 850 °C Time of exposure 30 s armal stability / ball thrust test Specification IEC 60695-10-2:2014-02 Temperature 125 °C Test duration 1 h Force 20 N chanical strength / tumbling barrel Specification IEC 60998-1:2002-12 Height of fall 50 cm Frequency 10 Cocks Specification IEC 60098-2-27:2008-02 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.) gree of protection (IP code) Specification IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2-2 Ambient temperature (ostrage/transport) 40 °C 105 °C (depending on power dissipation Ambient temperature (ostrage/transport) 40 °C 55 °C Ambient temperature (assembly) -5 °C 100 °C Relative humidity (storage/transport) 80 % data Number of PCB mount	Sweep speed	1 octave/min
Test duration per axis Test directions X., Y- and Z-axis X., Y- and Z-axis X., Y- and Z-axis Time of exposure 1EC 60895-2-11:2014-02 Temperature 850 °C Time of exposure 30 s Thermal stability / ball thrust test Specification IEC 60895-10-2:2014-02 Temperature 125 °C Test duration 1 h Force 20 N Temperature Specification IEC 60998-1:2002-12 Temperature Specification IEC 60998-1:2002-12 Test duration IEC 60998-1:2002-12 Test duration IEC 60998-1:2002-12 Test duration IEC 60998-1:2002-12 Test duration IEC 60998-1:2002-12 Test directions Specification IEC 60088-2-27:2008-02 Height of fall Specification IEC 60088-2-27:2008-02 Half-sine Acceleration 15 g Shock duration 11 ms Number of shocks per direction 3 Test directions X., Y- and Z-axis (pos. and neg.) Test directions Test directions IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:2 Test directions Max. IP code to attain Ambient temperature (storage/transport) Ambient temperature (storage/transport) Relative humidity (storage/transport) 80 % B data Number of PCB holders Type of PCB holders 1 Type of PCB mount	Amplitude	0.15 mm (10 Hz 58.1 Hz)
Test directions X-, Y- and Z-axis	Acceleration	2g (58.1 Hz 150 Hz)
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 60698-1:2002-12 Height of fall 50 cm Frequency 10 Shocks Specification IEC 6068-2-27:2008-02 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 2:2 Ambient temperature (operation) -40 °C 105 °C (depending on power dissipation Ambient temperature (assembly) -5 °C 100 °C Relative humidity (storage/transport) 80 % B data Number of PCB holders 1 Type of PCB mount	Test duration per axis	2.5 h
Specification IEC 60695-2-11:2014-02	Test directions	X-, Y- and Z-axis
Temperature	Glow-wire test	
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 2:2 Ambient conditions Max. IP code to attain Ambient temperature (operation) Ambient temperature (storage/transport) Ambient temperature (assembly) Relative humidity (storage/transport) B data Number of PCB holders Type of PCB mount	Specification	IEC 60695-2-11:2014-02
Thermal stability / ball thrust test IEC 60695-10-2:2014-02 Temperature	Temperature	850 °C
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 2:2 Ambient conditions Max. IP code to attain IP 20 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 % B data Number of PCB holders 1 Type of PCB mount Slot	Time of exposure	30 s
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 2:2 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 % B data Number of PCB holders 1 Type of PCB mount	Thermal stability / ball thrust test	
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 2:2 Ambient conditions Max. IP code to attain IP20 Ambient temperature (operation) -40 °C 105 °C (depending on power dissipation Ambient temperature (assembly) -5 °C 100 °C Relative humidity (storage/transport) 80 % B data Number of PCB holders 1 Type of PCB mount	Specification	IEC 60695-10-2:2014-02
Force 20 N	Temperature	125 °C
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 2:20 Ambient conditions Max. IP code to attain IP20 Ambient temperature (operation) -40 °C 105 °C (depending on power dissipation Ambient temperature (assembly) -5 °C 100 °C Relative humidity (storage/transport) 80 % CB data Number of PCB holders 1 Type of PCB mount Sick and solve the sixth of the six	Test duration	1 h
Specification IEC 60998-1:2002-12 Height of fall 50 cm	Force	20 N
Height of fall 50 cm	Mechanical strength / tumbling barrel	
Shocks Specification IEC 60068-2-27:2008-02 Pulse shape 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 2:2 Ambient conditions Max. IP code to attain Ambient temperature (operation) Ambient temperature (storage/transport) Ambient temperature (assembly) Relative humidity (storage/transport) B data Number of PCB holders Type of PCB mount IEC 60529:1989-11 - Ambient conditions 100 °C 110 °C	Specification	IEC 60998-1:2002-12
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 2:2 Ambient conditions Max. IP code to attain IP20 Ambient temperature (operation) -40 °C 105 °C (depending on power dissipation Ambient temperature (assembly) -5 °C 100 °C Relative humidity (storage/transport) 80 % CB data Number of PCB holders 1 Type of PCB mount Slot	Height of fall	50 cm
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 2:20 Ambient conditions Max. IP code to attain IP20 Ambient temperature (operation) 40 °C 105 °C (depending on power dissipation Ambient temperature (assembly) -5 °C 100 °C Ambient temperature (assembly) 80 % B data Number of PCB holders 1 Type of PCB mount Slot	Frequency	10
Pulse shape 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 2:20 Ambient conditions Max. IP code to attain IP20 Ambient temperature (operation) Ambient temperature (storage/transport) Ambient temperature (assembly) -5 °C 105 °C Ambient temperature (assembly) Relative humidity (storage/transport) 80 % B data Number of PCB holders 1 Type of PCB mount Social Signature 15g 11 ms 11 ms 12 ms 12 ms 12 ms 13 ms 14 ms 15g	Shocks	
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 2:22 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 % B data Number of PCB holders 1 Type of PCB mount Slot	Specification	IEC 60068-2-27:2008-02
Shock duration Number of shocks per direction 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 2:20 Ambient conditions Max. IP code to attain IP20 Ambient temperature (operation) Ambient temperature (storage/transport) Ambient temperature (assembly) Relative humidity (storage/transport) B data Number of PCB holders Type of PCB mount 11 ms 11 ms 3 3 X-, Y- and Z-axis (pos. and neg.) IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:20 IEC 60529:1989-11 + AMD 1:1999-11 + AMD 1:1999-11 + AMD 2:20 IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:20 IEC 60529:1989-11 + AMD 1:1999-11 + AMD 1:1999-11 + AMD 2:20 IEC 60529:1989-11 + AMD 1:1999-11 + AMD 1:1999-11 + AMD 2:20 IEC 60529:1989-11 + AMD 2:20 IEC 60529:1989-11 + AMD 2:20 IEC 60529:1989-11 +	Pulse shape	Half-sine
Number of shocks per direction 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 2:20 Ambient conditions Max. IP code to attain IP20 Ambient temperature (operation) Ambient temperature (storage/transport) Ambient temperature (assembly) Relative humidity (storage/transport) B data Number of PCB holders Type of PCB mount Number of PCB mount IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:20 AMD 1:1999-11 + AMD 2:20 AMD 2:20 AMD 2:20 AMD 2:20 AMD 3:20 A	Acceleration	15g
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 2:20 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 % CB data Number of PCB holders 1 Type of PCB mount Slot	Shock duration	11 ms
Degree of protection (IP code) Specification IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:20 Ambient conditions Max. IP code to attain IP20 Ambient temperature (operation) Ambient temperature (storage/transport) Ambient temperature (assembly) Relative humidity (storage/transport) B data Number of PCB holders Type of PCB mount IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:20 AMD 1:1999-11 + AMD 2:20 AMD 2:20 AMD 2:20 AMD 2:20 AMD 3:20 AMD 3:	Number of shocks per direction	3
Specification IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:20 Ambient conditions Max. IP code to attain IP20 Ambient temperature (operation) -40 °C 105 °C (depending on power dissipation and temperature (storage/transport) -40 °C 55 °C Ambient temperature (assembly) -5 °C 100 °C Relative humidity (storage/transport) 80 % B data Number of PCB holders 1 Type of PCB mount Slot	Test directions	X-, Y- and Z-axis (pos. and neg.)
Ambient conditions Max. IP code to attain Ambient temperature (operation) Ambient temperature (storage/transport) Ambient temperature (assembly) Relative humidity (storage/transport) Number of PCB holders Type of PCB mount IP20 -40 °C 105 °C (depending on power dissipation of PCB holders) -5 °C 100 °C 80 % Slot	Degree of protection (IP code)	
Max. IP code to attain Ambient temperature (operation) Ambient temperature (storage/transport) Ambient temperature (assembly) Relative humidity (storage/transport) B data Number of PCB holders Type of PCB mount IP20 -40 °C 105 °C (depending on power dissipation of PCB holders) -5 °C 100 °C 80 % Slot	Specification	IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:2013-08
Ambient temperature (operation) Ambient temperature (storage/transport) Ambient temperature (storage/transport) -40 °C 55 °C Ambient temperature (assembly) -5 °C 100 °C Relative humidity (storage/transport) 80 % B data Number of PCB holders 1 Type of PCB mount Slot	Ambient conditions	
Ambient temperature (storage/transport) -40 °C 55 °C Ambient temperature (assembly) -5 °C 100 °C Relative humidity (storage/transport) 80 % B data Number of PCB holders 1 Type of PCB mount Slot	Max. IP code to attain	IP20
Ambient temperature (assembly) -5 °C 100 °C Relative humidity (storage/transport) 80 % B data Number of PCB holders 1 Type of PCB mount Slot	Ambient temperature (operation)	-40 °C 105 °C (depending on power dissipation)
Relative humidity (storage/transport) B data Number of PCB holders Type of PCB mount Slot	Ambient temperature (storage/transport)	-40 °C 55 °C
Page 15 PCB holders 1 Type of PCB mount Slot	Ambient temperature (assembly)	-5 °C 100 °C
Number of PCB holders 1 Type of PCB mount Slot	Relative humidity (storage/transport)	80 %
Number of PCB holders 1 Type of PCB mount Slot	B data	
		1
	Type of PCB mount	Slot
Thickness of the PCB 1.4 mm 1.8 mm	Thickness of the PCB	1.4 mm 1.8 mm
	Mounting type	DIN rail mounting
Mounting type DIN rail mounting		



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Woulding position Vehical (nonzontal Din Tall)	Mounting position	Vertical (horizontal DIN rail)
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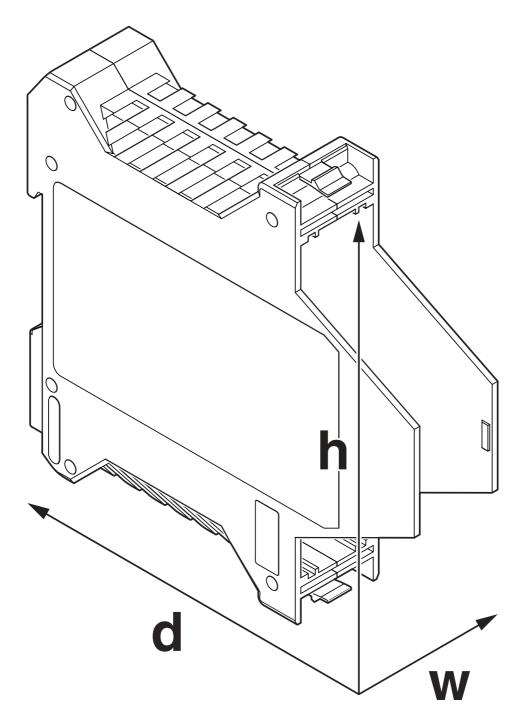


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Drawings

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.



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Approvals

🌣 To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2201861



UL RecognizedApproval ID: FILE E 240868



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Classifications

ECLASS

	ECLASS-11.0	27182702	
	ECLASS-13.0	27190601	
ETIM			
	ETIM 8.0	EC001031	
1 11	NSPSC		
UNSF 3C			
	UNSPSC 21.0	31261500	



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Environmental product compliance

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



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Mandatory accessories

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

2907761

https://www.phoenixcontact.com/us/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 (7035)

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

2200323

https://www.phoenixcontact.com/us/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 (7035)



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

2908469

https://www.phoenixcontact.com/us/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 (7035)

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

2278953

https://www.phoenixcontact.com/us/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 (7035)



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

2914877

https://www.phoenixcontact.com/us/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 (7035)

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

2914880

https://www.phoenixcontact.com/us/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 (7035)



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ME 22,5 OTP-MSTBO PS KMGY - Upper part of housing

2279282

https://www.phoenixcontact.com/us/products/2279282



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

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

2853734

https://www.phoenixcontact.com/us/products/2853734

DIN rail housing, Set comprised of upper housing part and 4 PCB terminal blocks (4-pos.) with screw connection, width: 22.6 mm, height: 99 mm, depth: 45.85 mm, color: light grey (7035)





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ME 22,5 OT-MSTBO KMGY VPE200 - Upper part of housing

2896801

https://www.phoenixcontact.com/us/products/2896801



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

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

2709244

https://www.phoenixcontact.com/us/products/2709244

DIN rail housing, Set comprised of upper housing part, 4 PCB headers (4-pos.), and 4 PCB terminal blocks with screw connection (4-pos.), width: 22.6 mm, height: 99 mm, depth: 45.85 mm, color: light grey (7035)



Accessories



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ME LPZS - PCB stop

2906911

https://www.phoenixcontact.com/us/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-SAS - Shield connection clamp

2853899

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

Shield connection clamp for terminal points starting from 2.5 mm²





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EML (29X29)R-ME - Label for ME ... SF-UT ... housing

0828172

https://www.phoenixcontact.com/us/products/0828172



Label for ME ... SF-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, lettering field size: 29 x 29 mm, Number of individual labels: 2000

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