

EMG 45-B8 - Electronics housing

2946201

<https://www.phoenixcontact.com/us/products/2946201>



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Custom circuit module, consisting of housing, MKDS 3 connection terminal blocks and PCB



Commercial data

Item number	2946201
Packing unit	5 pc
Minimum order quantity	1 pc
Sales key	AC11
Product key	ACHCBA
Catalog page	Page 712 (C-1-2013)
GTIN	4017918082161
Weight per piece (including packing)	85.06 g
Weight per piece (excluding packing)	85.06 g
Customs tariff number	85369010
Country of origin	DE

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Technical data

Product properties

Product type	Stackable housing set
Housing type	Component housing
Housing series	EMG
Product family	EMG
Type	Lower housing part, removable cover as option, connection system integrated, PCB integrated
Number of positions	16
Pitch	5.08 mm
Type	Lower and upper part with snap-on foot, with PCB and solder tags that are led to the MKDS 3/... connection terminal blocks

Dimensions

Dimensional drawing	
Width	45 mm
Installed height	47.5 mm
Height NS 35/7,5	55 mm
	83 mm
	100 mm
Depth	75 mm
Length	75 mm
Pitch	5.08 mm

Material specifications

Color (Housing)	green (RAL 6021)
Flammability rating according to UL 94	V0
Housing material	Polycarbonate, glass-fiber-reinforced
Surface characteristics	untreated

Environmental and real-life conditions

Ambient conditions	
Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 125 °C

Mounting

Mounting type	DIN rail mounting
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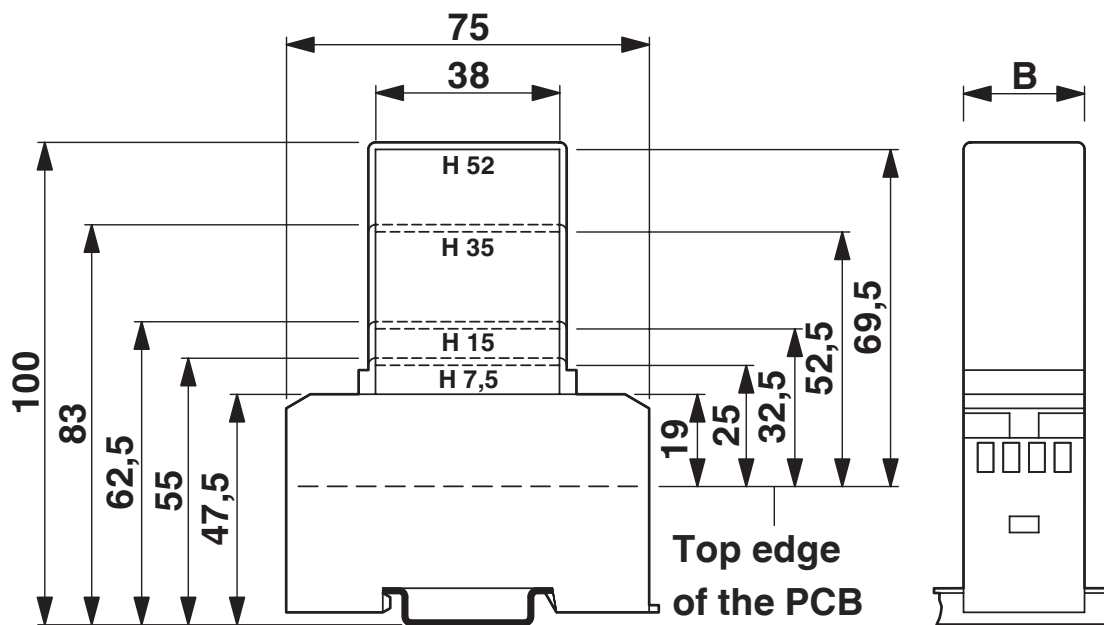
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Drawings

Dimensional drawing



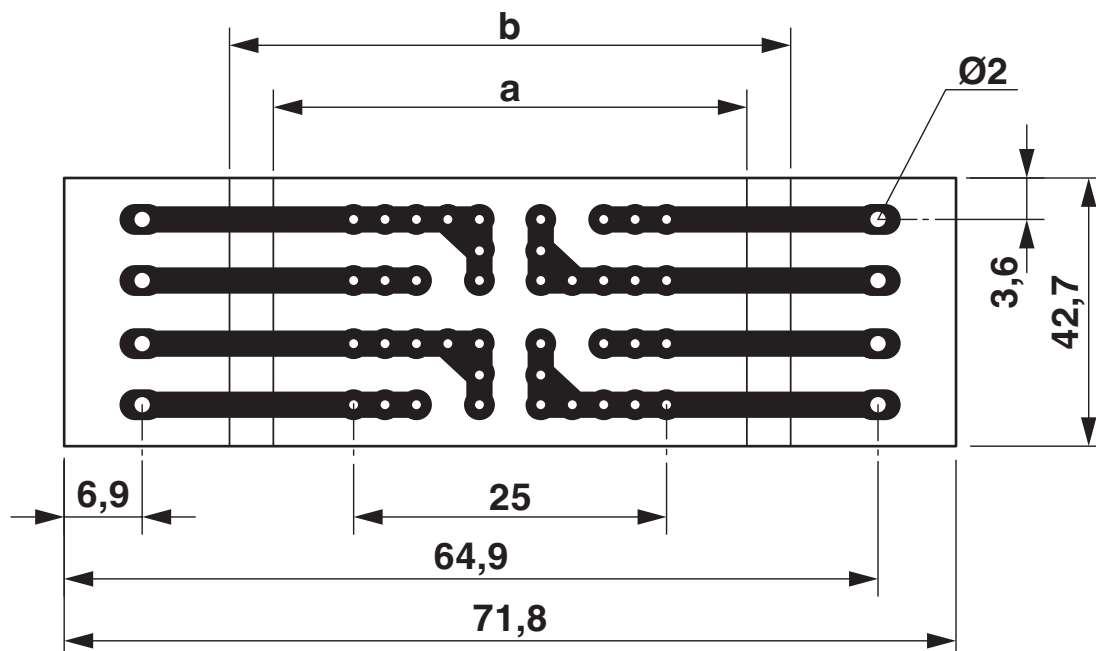
1 = Top edge of the PCB
B = Housing width

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Dimensional drawing



Pitch 5.08 mm

a = Area for mounting components, 38 mm in the hood

b = Area for mounting components, 45 mm in the housing

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Classifications

ECLASS

ECLASS-11.0	27182702
ECLASS-13.0	27190301

ETIM

ETIM 8.0	EC001031
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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

EMG 45-H 7,5MM KLAR - Covering hood

2946214

<https://www.phoenixcontact.com/us/products/2946214>

Covering hood, for the contact and dust-protected encapsulation of the components, in transparent design. Height: 7.5 mm



EMG 45-H 15MM KLAR - Covering hood

2946227

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Covering hood, for the contact and dust-protected encapsulation of the components, in transparent design. Height: 15 mm, width: 45 mm



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EMG 45-H 35MM KLAR - Covering hood

2942140

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Covering hood, for the contact and dust-protected encapsulation of the components, in transparent design. Height: 35 mm, width: 45 mm

EMG 45-H 52MM GN - Covering hood

2946230

<https://www.phoenixcontact.com/us/products/2946230>



Covering hood, for the contact and dust-protected encapsulation of the components, in green design. Height: 52 mm, width: 45 mm

Accessories

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EMG-KA - Cover

2941510

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Terminal block/screw cover, set consisting of 50 strips each for terminal blocks and screw openings, 1 strip covers 12 terminal points.

EMG-GKS 22 - Marking material

2941594

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Device marking label, width: 22 mm, area: 22 x 8 mm, e.g. for EML(20x8) R adhesive marking material

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EMG-GKS 12 - Marking material

2947035

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Device marking label, width: 12 mm, area: 12 x 8 mm, e.g. for EML(10x7) R adhesive marking material

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