

# EMG 45-B8 - Electronic 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	1 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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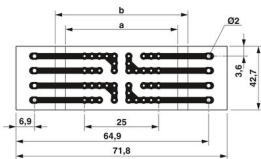


## Technical data

### Product properties

Type	Lower housing part, removable cover as option, connection system integrated, PCB integrated
Product type	Stackable housing set
Product family	EMG
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
Housing type	Component housing
Housing series	EMG

### 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	green
Flammability rating according to UL 94	V0
Surface characteristics	untreated
Housing material	Polycarbonate, glass-fiber-reinforced

### 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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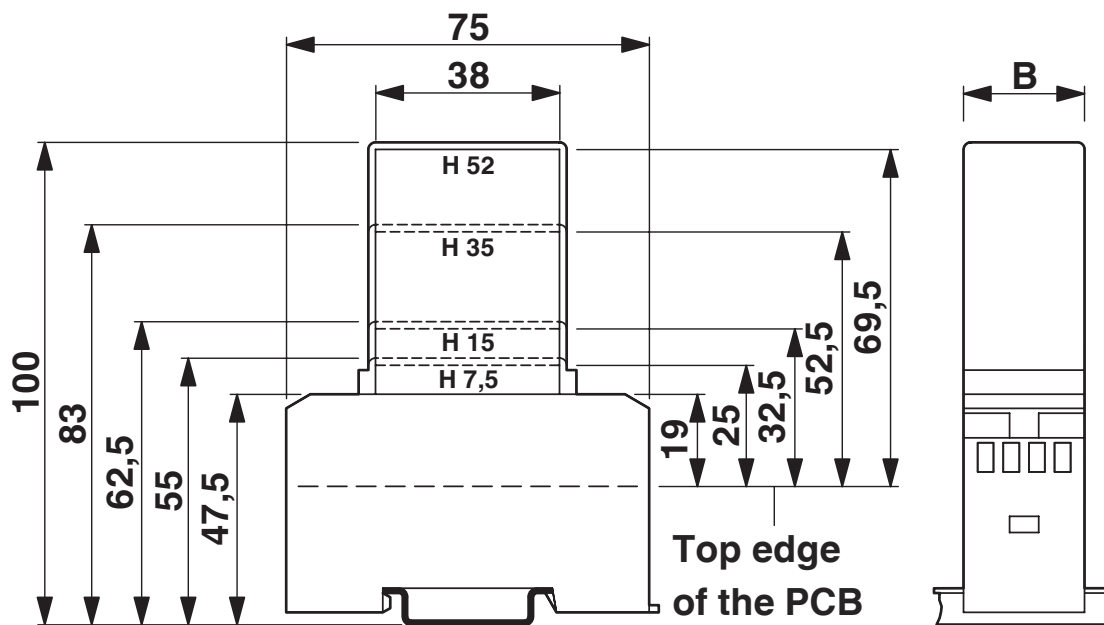
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## Drawings

Dimensional drawing



1 = Top edge of the PCB

B = Housing width

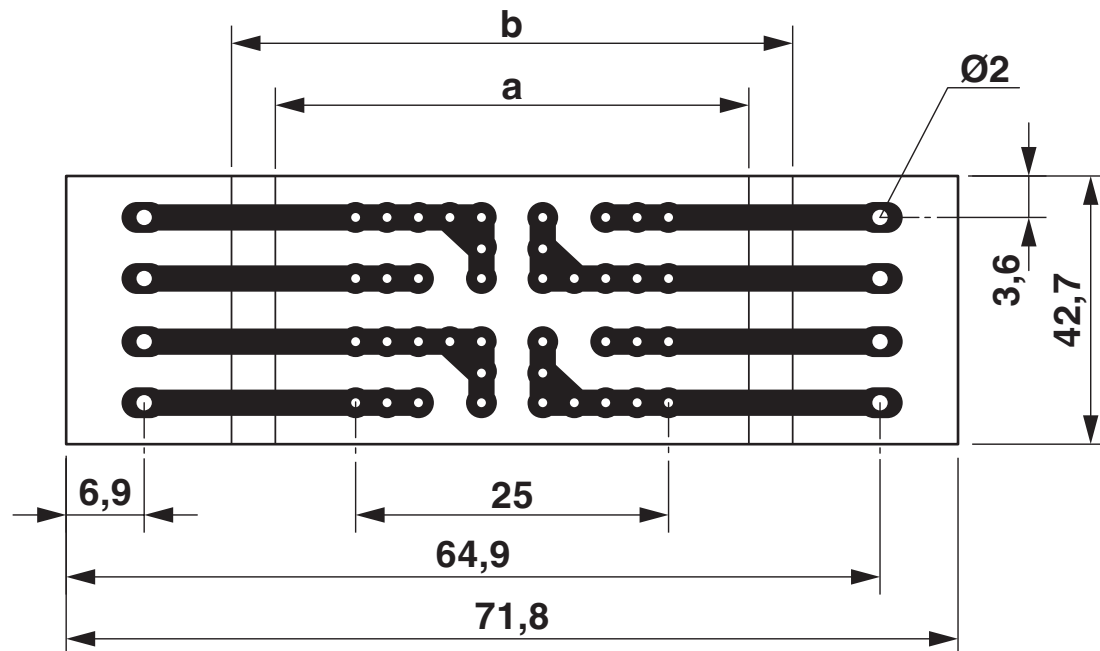
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Dimensional drawing



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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## Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2946201>



**EAC**

Approval ID: B.01687

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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

China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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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



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### EMG 45-H 15MM KLAR - Covering hood

2946227

<https://www.phoenixcontact.com/us/products/2946227>

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

<https://www.phoenixcontact.com/us/products/2942140>



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

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## 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

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## Accessories

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## EMG-KA - Cover

2941510

<https://www.phoenixcontact.com/us/products/2941510>



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

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## EMG-GKS 22 - Marking material

2941594

<https://www.phoenixcontact.com/us/products/2941594>



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

<https://www.phoenixcontact.com/us/products/2947035>



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

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