# EMG 22-B4 - Electronics housing

2946146

https://www.phoenixcontact.com/us/products/2946146

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

## Commercial data

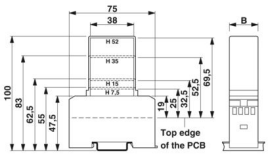
| | |
|---|---|
| Item number | 2946146 |
| Packing unit | 10 pc |
| Minimum order quantity | 1 pc |
| Sales key | AC11 |
| Product key | ACHCBA |
| GTIN | 4017918082109 |
| Weight per piece (including packing) | 43.2 g |
| Weight per piece (excluding packing) | 42.66 g |
| Customs tariff number | 85369010 |
| Country of origin | DE |

## 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 | 8 |
| Pitch | 5 mm |
| Ventilation openings present | no |

### Dimensions

| | |
|---|---|
| Dimensional drawing |   |
| Width | 22.5 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 mm |

### Material specifications

| | |
|---|---|
| Color (Housing) | green (RAL 6021) |
| Material Housing | PC (glass-fiber reinforced) |
| Flammability rating according to UL 94 | V0 |

### Environmental and real-life conditions

#### Ambient conditions

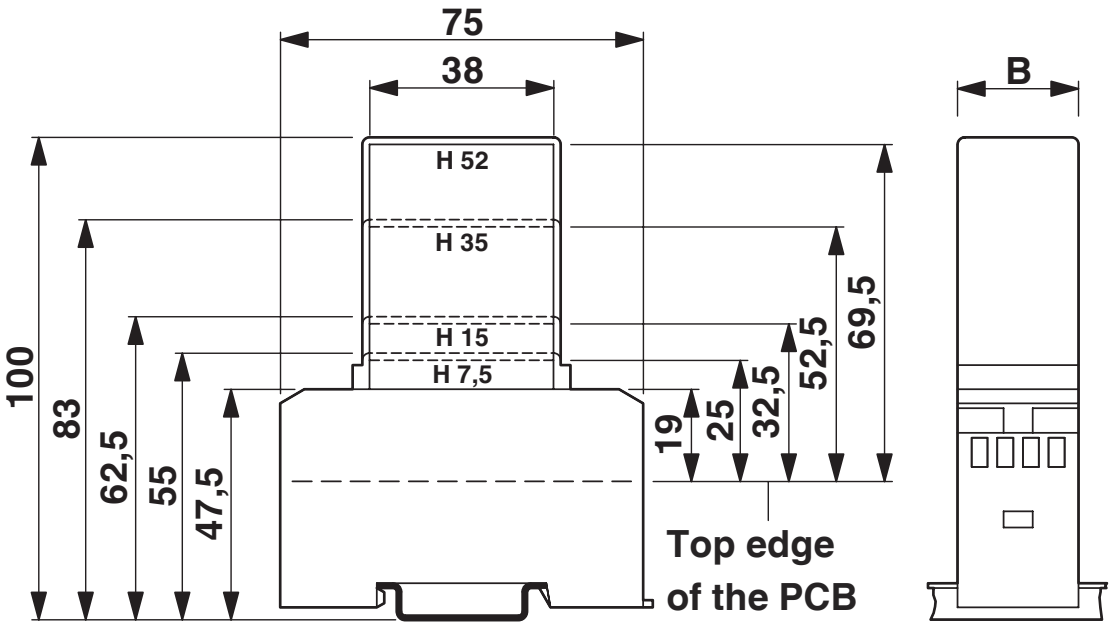
| | |
|---|---|
| Degree of protection | IP20 |
| Ambient temperature (operation) | -40 °C ... 125 °C |

### Mounting

| | |
|---|---|
| Mounting type | DIN rail mounting |

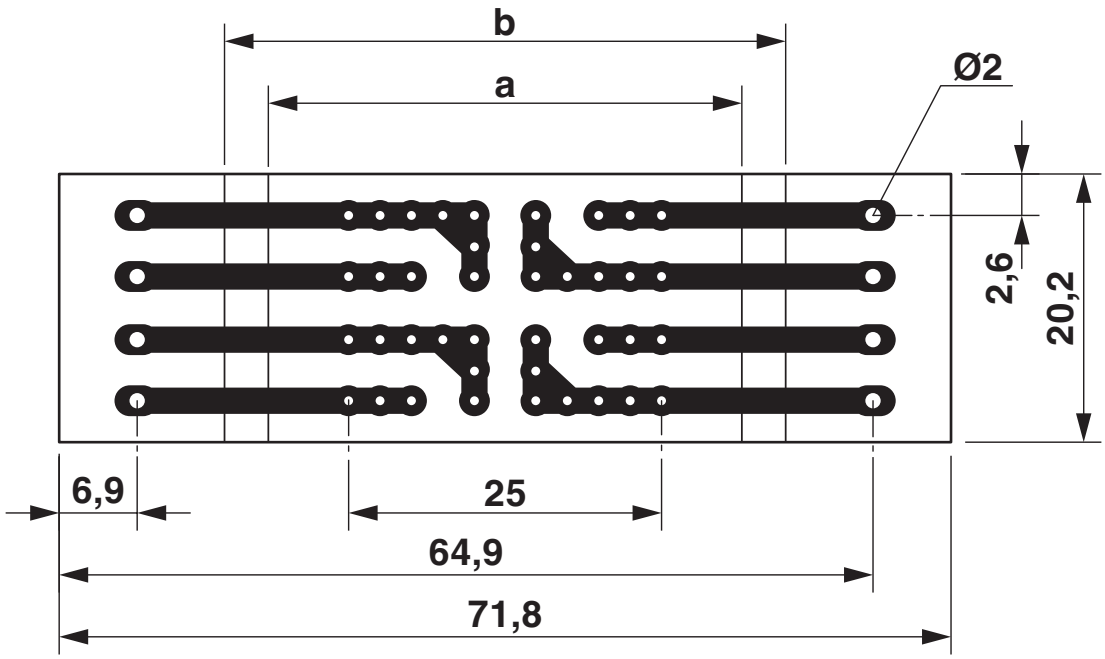
## Drawings

Dimensional drawing




1 = Top edge of the PCB
B = Housing width

Dimensional drawing




Pitch 5 mm
a = Area for mounting components, 38 mm in the hood
b = Area for mounting components, 45 mm in the housing

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-15.0 | 27190301 |
| ECLASS-13.0 | 27190301 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC001031 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 31261500 |

## 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% |

EF3.1 Climate Change

| | |
|---|---|
| CO2e kg | 0.593 kg CO2e |


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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com