

## Electronic housing - EMG 45-B8 - 2946201

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

### Your advantages

- ✓ Choice of four cover sizes in transparent or color versions
- ✓ Practical and easy-to-wire conductor connections
- ✓ User-friendly and safe mounting on DIN rails according to EN 60715
- ✓ Space-saving accommodation of electronic components in finely graded module versions available with 10 to 150 mm pitch
- ✓ Uniform and appropriate housing technology
- ✓ High degree of flexibility due to the wide choice of versions
- ✓ Inflammability class V0 insulation material (according to UL 94)
- ✓ Shock and contamination-proof accommodation of electronic components
- ✓ Universal PCBs for all pitches

### Key Commercial Data

|              |               |
|--------------|---------------|
| Packing unit | 5 pc          |
| GTIN         |               |
| GTIN         | 4017918082161 |

### Technical data

#### General

|                  |                                |
|------------------|--------------------------------|
| Housing type     | Component housing              |
| Housing material | Polycarbonate fiber reinforced |

#### Ambient conditions

|                                 |                   |
|---------------------------------|-------------------|
| Ambient temperature (operation) | -40 °C ... 125 °C |
|---------------------------------|-------------------|

#### Dimensions

|        |         |
|--------|---------|
| Length | 75 mm   |
| Height | 47.5 mm |

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## Technical data

### Dimensions

|       |         |
|-------|---------|
| Width | 45 mm   |
| Pitch | 5.08 mm |
| Depth | 75 mm   |

### Technical data

|                                  |       |
|----------------------------------|-------|
| Power dissipation without gap    | 2 W   |
| Power dissipation with 20 mm gap | 2.4 W |
| Number of positions              | 16    |

### Standards and Regulations

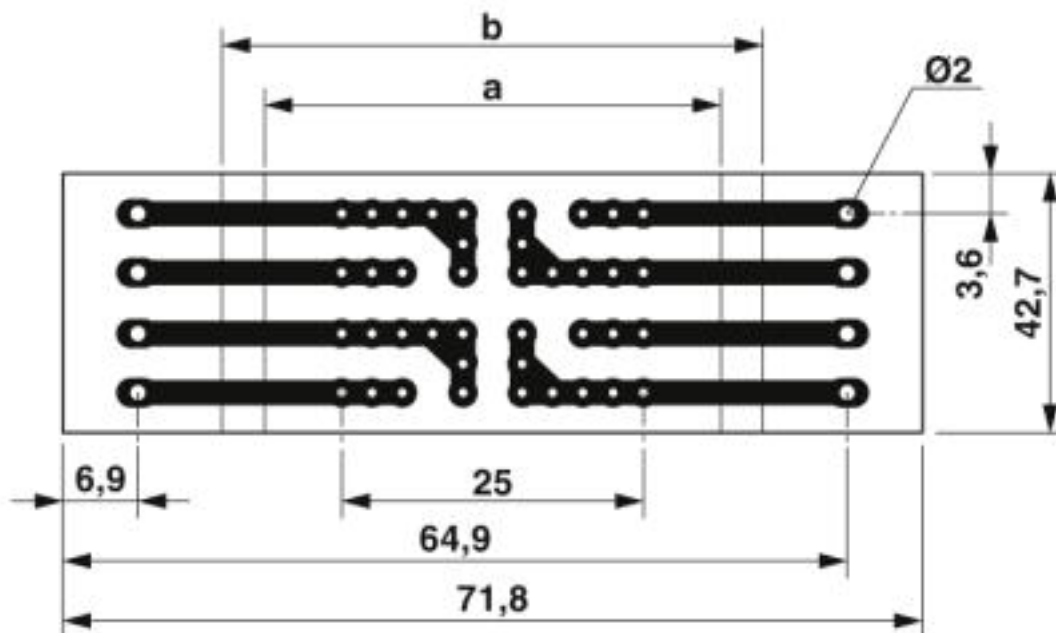
|  |    |
|--|----|
| Flammability rating according to UL 94 | V0 |
|--|----|

### Environmental Product Compliance

|            |   |
|------------|---|
| REACH SVHC | Lead 7439-92-1  |
| China RoHS | Environmentally Friendly Use Period = 50 years  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Drawings

Dimensional drawing



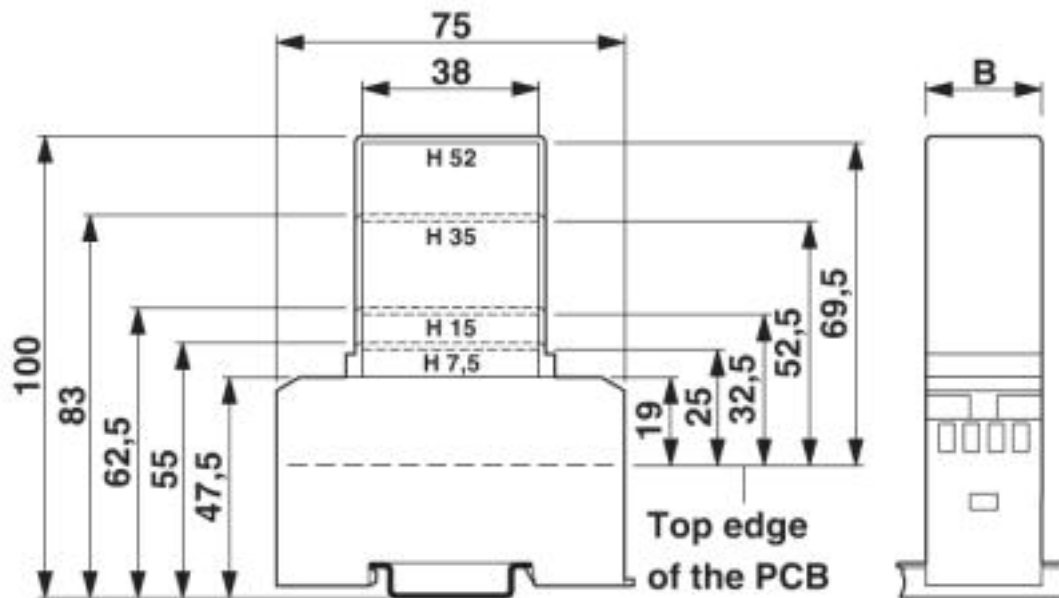
Pitch 5.08 mm

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

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

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Dimensional drawing



1 = Top edge of the PCB  
B = Housing width

## Classifications

eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27182702 |
| eCl@ss 4.0    | 27180400 |
| eCl@ss 4.1    | 27180400 |
| eCl@ss 5.0    | 27180500 |
| eCl@ss 5.1    | 27180500 |
| eCl@ss 6.0    | 27180800 |
| eCl@ss 7.0    | 27182702 |
| eCl@ss 8.0    | 27182702 |
| eCl@ss 9.0    | 27182702 |

ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC001031 |
| ETIM 3.0 | EC001031 |
| ETIM 4.0 | EC001031 |
| ETIM 5.0 | EC001031 |
| ETIM 6.0 | EC001031 |
| ETIM 7.0 | EC001031 |

UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 6.01 | 31261501 |
|-------------|----------|

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## Classifications

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 7.0901 | 31261501 |
| UNSPSC 11     | 31261501 |
| UNSPSC 12.01  | 31261501 |
| UNSPSC 13.2   | 31261501 |
| UNSPSC 18.0   | 31261501 |
| UNSPSC 19.0   | 31261501 |
| UNSPSC 20.0   | 31261501 |
| UNSPSC 21.0   | 31261501 |

## Approvals

### Approvals

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Approvals

EAC

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Ex Approvals

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### Approval details

|     |  |         |
|-----|--|---------|
| EAC |  | B.01742 |
|-----|--|---------|

## Accessories

### Accessories

### Device marking

Marking material - EMG-GKS 22 - 2941594



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

### Filler plug

## Electronic housing - EMG 45-B8 - 2946201

### Accessories

Electronic housing - EMG-KA - 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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Marking material - EMG-GKS 12 - 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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### Necessary add-on products

Covering hood - EMG 45-H 7,5MM KLAR - 2946214



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

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Covering hood - EMG 45-H 15MM KLAR - 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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Covering hood - EMG 45-H 35MM KLAR - 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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## Electronic housing - EMG 45-B8 - 2946201

### Accessories

Electronic housing - EMG 45-H 52MM GN - 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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