

## Electronic housing - EMG 90-LG - 2946256

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Electronic housing, for PCB insertion, without screw connection terminal blocks and cover

### Your advantages

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

RoHS

### Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 5 pc  |
| GTIN         | <br>4 017918 082215 |
| GTIN         | 4017918082215   |

### Technical data

#### General

|                  |                                |
|------------------|--------------------------------|
| Housing type     | Component housing              |
| Housing material | Polycarbonate fiber reinforced |
| Color (RAL)      | green                          |

#### Ambient conditions

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

#### Dimensions

|        |       |
|--------|-------|
| Length | 75 mm |
|--------|-------|

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## Technical data

## Dimensions

|        |         |
|--------|---------|
| Height | 47.5 mm |
| Width  | 90 mm   |
| Pitch  | 5 mm    |
| Depth  | 75 mm   |

## Technical data

|                                  |       |
|----------------------------------|-------|
| Power dissipation without gap    | 4.1 W |
| Power dissipation with 20 mm gap | 4.6 W |
| Number of positions              | 34    |

## Connection data

|                                       |         |
|---------------------------------------|---------|
| Conductor cross section solid min.    | 0.2 mm² |
| Conductor cross section solid max.    | 4 mm²   |
| Conductor cross section flexible min. | 0.2 mm² |
| Conductor cross section flexible max. | 2.5 mm² |
| Conductor cross section AWG min.      | 24      |
| Conductor cross section AWG max.      | 12      |
| Stripping length                      | 8 mm    |

## Standards and Regulations

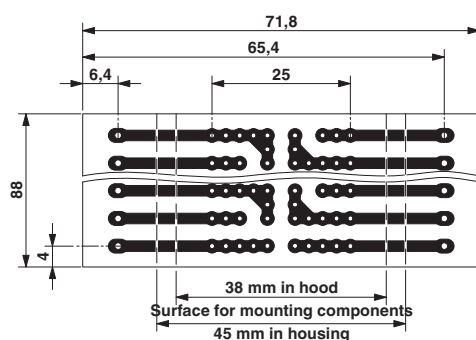
|  |    |
|--|----|
| Flammability rating according to UL 94 | V0 |
|--|----|

## Environmental Product Compliance

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

## Drawings

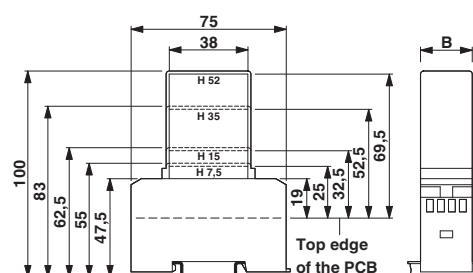
## Dimensional drawing



Pitch 5 mm

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

## Dimensional drawing



1 = Top edge of the PCB  
B = Housing width

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### Approvals

#### Approvals

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#### Approvals

EAC

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#### Ex Approvals

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#### Approval details

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

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