

# Electronic housing - EMG 37-LG - 2947051

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Electronic housing, with snap foot for DIN rail EN 50022 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
- ✓ Uniform and appropriate housing technology
- ✓ High degree of flexibility due to the wide choice of versions
- ✓ 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
- ✓ 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         | 4017918082529 |

## 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 |
|--------|-------|

# Electronic housing - EMG 37-LG - 2947051

## Technical data

### Dimensions

|        |         |
|--------|---------|
| Height | 47.5 mm |
| Width  | 37.5 mm |
| Pitch  | 5 mm    |
| Depth  | 75 mm   |

### Technical data

|                                  |       |
|----------------------------------|-------|
| Power dissipation without gap    | 1.6 W |
| Power dissipation with 20 mm gap | 1.8 W |
| Number of positions              | 14    |

### Connection data

|                                       |                     |
|---------------------------------------|---------------------|
| Conductor cross section solid min.    | 0.2 mm <sup>2</sup> |
| Conductor cross section solid max.    | 4 mm <sup>2</sup>   |
| Conductor cross section flexible min. | 0.2 mm <sup>2</sup> |
| Conductor cross section flexible max. | 2.5 mm <sup>2</sup> |
| Conductor cross section AWG min.      | 24                  |
| Conductor cross section AWG max.      | 12                  |
| Stripping length                      | 8 mm                |

### Standards and Regulations

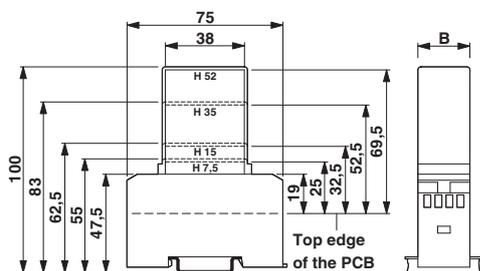
|  |    |
|--|----|
| Flammability rating according to UL 94 | V0 |
|--|----|

### Environmental Product Compliance

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

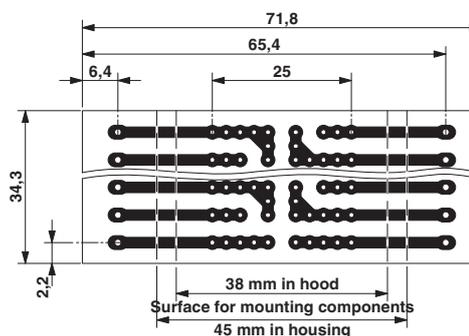
## Drawings

Dimensional drawing



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

## Electronic housing - EMG 37-LG - 2947051

### 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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