# EMG 45-RELS/IR1-G 24 - Relay base

2950996

https://www.phoenixcontact.com/us/products/2950996

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Relay module, with 1 plug-in base for industrial relays size 1, contact: 4 changeover contacts, input voltage 24-48 V DC, with LED display, freewheeling and polarity protection diode

## Commercial data

| | |
|---|---|
| Item number | 2950996 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | C460 |
| Product key | DK61C3 |
| GTIN | 4017918084165 |
| Weight per piece (including packing) | 99.44 g |
| Weight per piece (excluding packing) | 99.44 g |
| Customs tariff number | 85364190 |
| Country of origin | DE |

# Technical data

## Notes

| | |
|---|---|
| Notes on operation | For the protection of relay coils and contacts, inductive loads must be dampened with an efficient protection circuit. |

## Product properties

| | |
|---|---|
| Product type | Relay socket |

### Insulation characteristics

| | |
|---|---|
| Overvoltage category | II |
| Pollution degree | 2 |

## Connection data

### Input side

| | |
|---|---|
| Connection method | Screw connection |
| Stripping length | 8 mm |
| Screw thread | M3 |
| Conductor cross-section rigid | 0.2 mm² ... 4 mm² |
| Conductor cross-section flexible | 0.2 mm² ... 2.5 mm² |
| Conductor cross-section AWG | 24 ... 12 |

### Output side

| | |
|---|---|
| Connection method | Screw connection |
| Stripping length | 8 mm |
| Screw thread | M3 |
| Conductor cross-section rigid | 0.2 mm² ... 4 mm² |
| Conductor cross-section flexible | 0.2 mm² ... 2.5 mm² |
| Conductor cross-section AWG | 24 ... 12 |

## Dimensions

| | |
|---|---|
| Width | 45 mm |
| Height | 75 mm |
| Depth | 82.5 mm |

## Material specifications

| | |
|---|---|
| Color | green (RAL 6021) |

## Environmental and real-life conditions

### Ambient conditions

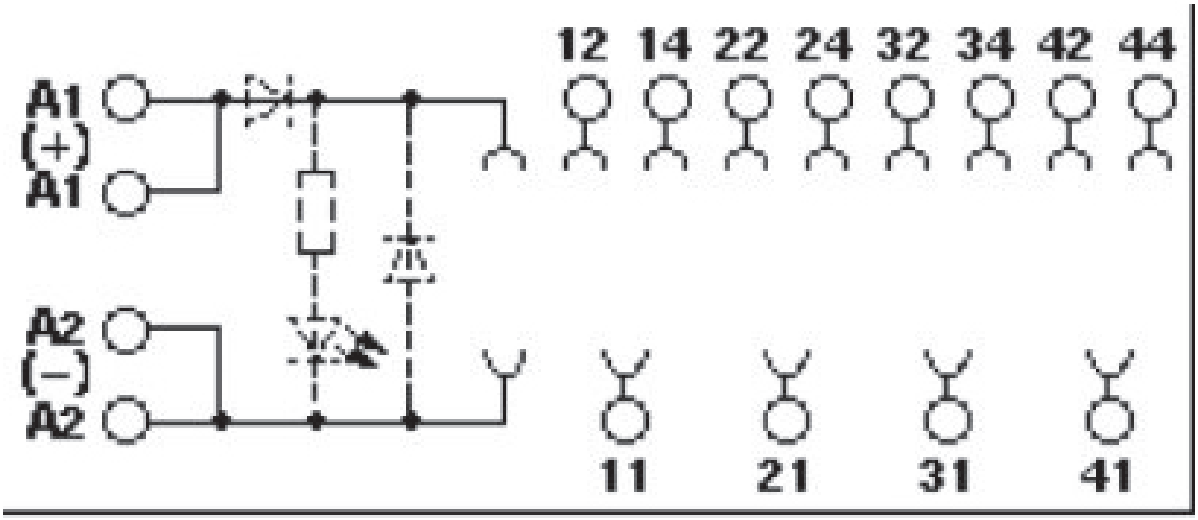
| | |
|---|---|
| Ambient temperature (operation) | -20 °C ... 50 °C |
| Ambient temperature (storage/transport) | -20 °C ... 70 °C |

## Mounting

| | |
|---|---|
| Mounting type | DIN rail mounting |
| Assembly note | in rows with zero spacing |
| Mounting position | any |

## Drawings

Circuit diagram



## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27371603 |
| ECLASS-15.0 | 27371603 |

### ETIM

| | |
|---|---|
| ETIM 9.0 | EC001456 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 39122300 |

## Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(c), 7(a) |

China RoHS

| | |
|---|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | a476a008-99e6-483c-9f15-06dff88c9f3c |


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