

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 |

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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 mm ² ... 4 mm ² |
| Conductor cross-section flexible | 0.2 mm ² ... 2.5 mm ² |
| 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 mm ² ... 4 mm ² |
| Conductor cross-section flexible | 0.2 mm ² ... 2.5 mm ² |
| 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

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

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Drawings

Circuit diagram



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Classifications

ECLASS

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

ETIM

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

UNSPSC

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

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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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