

EMUG 45- 8REL/KSR-G 24/ 1 - Multiple relay module



2943770

<https://www.phoenixcontact.com/us/products/2943770>

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Relay module, multi-channel, with 8 soldered-in miniature switching relays for DC voltage with light indicator and 1 N/O contact each, contact for medium to large loads, input voltage 24 V DC

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 2943770 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | C460 |
| Product key | DK6162 |
| GTIN | 4017918081324 |
| Weight per piece (including packing) | 153.31 g |
| Weight per piece (excluding packing) | 153.31 g |
| Customs tariff number | 85364190 |
| Country of origin | DE |

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Technical data

Product properties

| | |
|-------------------------|--------------------------------|
| Product type | Relay Module |
| Operating mode | 100% operating factor |
| Mechanical service life | approx. 2×10^7 cycles |

Insulation characteristics

| | |
|----------------------|-----|
| Overvoltage category | III |
| Pollution degree | 2 |

Data management status

| | |
|------------------------------|------------|
| Date of last data management | 12.09.2025 |
|------------------------------|------------|

Electrical properties

| | |
|---|--|
| Maximum power dissipation for nominal condition | 0.29 W |
| Test voltage (Winding/contact) | 2.5 kV AC (50 Hz, 1 min., winding/contact) |

Input data

Coil side

| | |
|---|--|
| Nominal input voltage U_N | 24 V DC |
| Input voltage range | 19.2 V DC ... 26.4 V DC |
| Input voltage range in reference to U_N | 0.8 ... 1.1 |
| Drive and function | monostable |
| Typical input current at U_N | 12 mA |
| Typical response time | 6 ms |
| Typical release time | 10 ms |
| Protective circuit | Damping diode, polarity protection; Damping diode, polarity protection diode |
| Operating voltage display | yes |

Output data

Switching

| | |
|---------------------------------------|-------------------------------|
| Contact switching type | Single contact, 1 N/O contact |
| Type of switch contact | Single contact |
| Contact material | Silver cadmium oxide (AgCdO) |
| Maximum switching voltage | 250 V AC/DC |
| Limiting continuous current | 6 A |
| Maximum inrush current | 6 A |
| Interrupting rating (ohmic load) max. | 144 W (at 24 V DC) |
| | 70 W (at 48 V DC) |
| | 55 W (at 60 V DC) |
| | 50 W (at 110 V DC) |
| | 50 W (at 220 V DC) |

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| | |
|--|------------------------|
| | 1500 VA (for 250 V AC) |
|--|------------------------|

Dimensions

| | |
|--------|-------|
| Width | 45 mm |
| Height | 60 mm |
| Depth | 79 mm |

Environmental and real-life conditions

Ambient conditions

| | |
|---------------------------------|------------------|
| Ambient temperature (operation) | -20 °C ... 55 °C |
|---------------------------------|------------------|

Standards and regulations

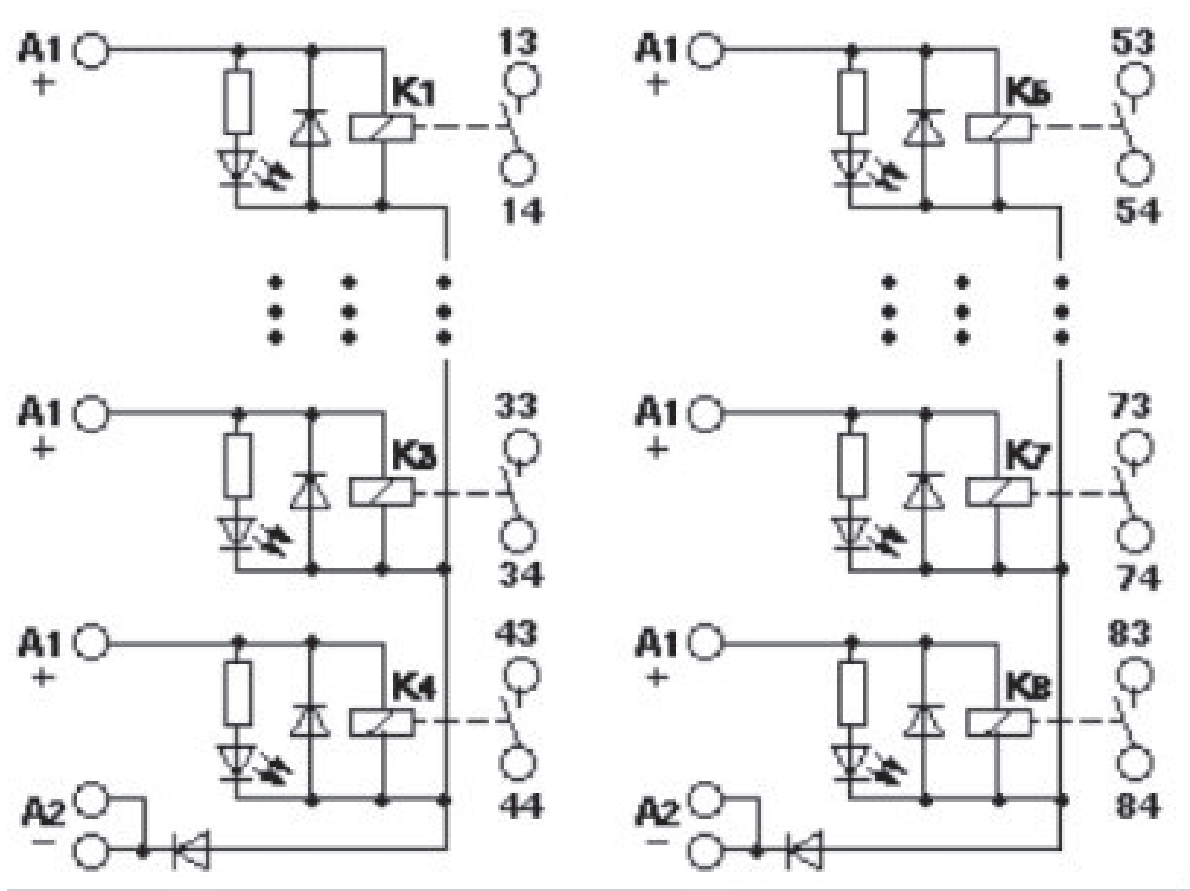
| | |
|-----------------------|--|
| Standards/regulations | IEC 60664 |
| | IEC 60664A |
| | DIN VDE 0110 |
| | DIN VDE 0109-11, draft |
| | DIN EN 50178/VDE 0160 |
| | IEC 60255/DIN VDE 0435 (in relevant parts) |

Mounting

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

Drawings

Circuit diagram



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Environmental product compliance

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.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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