

UMK 22-REL 12/21-21 - Relay module



5542741

<https://www.phoenixcontact.com/us/products/5542741>

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VARIOFACE relay module, fixed, 2PDT



UMK 22 REL 24 VAC/21-21 shown

Your advantages

- Safe isolation between coil and contact side

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 5542741 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | C460 |
| Product key | DK61Y2 |
| GTIN | 4046356684217 |
| Weight per piece (including packing) | 33.33 g |
| Weight per piece (excluding packing) | 33.33 g |
| Customs tariff number | 85364190 |
| Country of origin | US |

Technical data

Notes

Trade restriction

| | |
|---------|--|
| CE note | The products are offered exclusively for export outside the EU and the European Economic Area. |
|---------|--|

Product properties

| | |
|-------------------------|---------------------------|
| Product type | Relay Module |
| Application | Universal |
| Operating mode | 100% operating factor |
| Mechanical service life | 1x 10 ⁷ cycles |

Data management status

| | |
|------------------------------|------------|
| Date of last data management | 01.04.2026 |
|------------------------------|------------|

Electrical properties

| | |
|--------------------------------|--|
| Test voltage (Winding/contact) | 5 kV (50/60 Hz, 1 min., winding/contact) |
|--------------------------------|--|

Input data

Coil side

| | |
|--------------------------------|--------------------|
| Nominal input voltage U_N | 12 V DC |
| Typical input current at U_N | 54 mA |
| Typical response time | 15 ms |
| Typical release time | 5 ms |
| Protective circuit | Freewheeling diode |
| Operating voltage display | LED |

Output data

Switching

| | |
|-----------------------------|-----------------------|
| Contact switching type | 2 changeover contacts |
| Contact material | AgCdO |
| Maximum switching voltage | 250 V AC (30 V DC) |
| Minimum switching voltage | 5 V (at 10 mA) |
| Limiting continuous current | 5 A |
| Min. switching current | 10 mA (At 5 V) |

Connection data

Coil side

| | |
|----------------------------------|--|
| Connection method | Screw connection |
| Stripping length | 7 mm |
| Conductor cross-section rigid | 0.14 mm ² ... 2.5 mm ² |
| Conductor cross-section flexible | 0.14 mm ² ... 1.5 mm ² |

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| | |
|-----------------------------|-----------|
| Conductor cross-section AWG | 30 ... 14 |
|-----------------------------|-----------|

Contact side

| | |
|----------------------------------|--|
| Connection method | Screw connection |
| Stripping length | 7 mm |
| Conductor cross-section rigid | 0.14 mm ² ... 2.5 mm ² |
| Conductor cross-section flexible | 0.14 mm ² ... 1.5 mm ² |
| Conductor cross-section AWG | 30 ... 14 |

Dimensions

Item dimensions

| | |
|--------|---------|
| Width | 22.5 mm |
| Height | 77 mm |
| Depth | 50 mm |

Material specifications

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

Environmental and real-life conditions

Ambient conditions

| | |
|---|------------------|
| Ambient temperature (operation) | -20 °C ... 65 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |

Mounting

| | |
|-------------------|---------------------------|
| Assembly note | in rows with zero spacing |
| Mounting position | any |

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27371601 |
| ECLASS-15.0 | 27371601 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC001437 |
|-----------|----------|

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Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Not applicable, Not qualified for the European market |
|---|---|

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) |
|-------------------------------------|----------------------|

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