

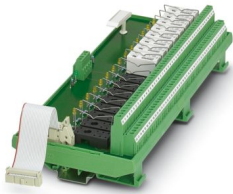
UM-16 RELS/KSR-G24/21-21E/PLC - Active module



2962201

<https://www.phoenixcontact.com/us/products/2962201>

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VARIOFACE output extension module, with plug-in bases for 16 miniature relays, with 2 changeover contacts each (without relays), for 24 V DC

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 2962201 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | NULL |
| Product key | DK2191 |
| GTIN | 4017918087128 |
| Weight per piece (including packing) | 737.8 g |
| Weight per piece (excluding packing) | 589.43 g |
| Customs tariff number | 85364190 |
| Country of origin | DE |

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Technical data

Product properties

| | |
|-----------------------|-------------------------------------|
| Product type | Interface module |
| No. of channels | 16 |
| Compatible components | Miniature relay, REL-MR- 24DC/21-21 |
| With components | yes |

Insulation characteristics

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

Electrical properties

Supported controller: ALLEN-BRADLEY ControlLogix

| | |
|-------------------|-----------|
| Suitable I/O card | 1756-OB32 |
|-------------------|-----------|

Supported controller: ALLEN-BRADLEY PLC 5

| | |
|-------------------|----------|
| Suitable I/O card | 1771 OBN |
|-------------------|----------|

Supported controller: GE-FANUC RX3i

| | |
|-------------------|-------------|
| Suitable I/O card | IC694MDL754 |
|-------------------|-------------|

Supported controller: HONEYWELL Experion PKS C200

| | |
|-------------------|------------|
| Suitable I/O card | TC-ODD 321 |
|-------------------|------------|

Input data

| | |
|-----------------------------|----------------------------------------|
| Nominal input voltage U_N | 24 V DC (Related to the assembly) |
| Protective circuit | Freewheeling diode; Freewheeling diode |
| Operating voltage display | Green LED |
| Status display/channel | Yellow LED |

Output data

| | |
|-----------------------|-------------------------------------|
| Compatible components | Miniature relay, REL-MR- 24DC/21-21 |
|-----------------------|-------------------------------------|

Switching

| | |
|-----------------------------|-----------------------|
| Contact switching type | 2 changeover contacts |
| Maximum switching voltage | 250 V AC/DC |
| Limiting continuous current | 3 A |

Connection data

Controller level

| | |
|-----------------------|-------------------|
| Connection method | IDC/FLK pin strip |
| Number of connections | 1 |
| Number of positions | 20 |
| Pitch | 2.54 mm |

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Field level

| | |
|----------------------------------|---------------------------------------------|
| Connection method | Screw connection |
| Stripping length | 8 mm |
| Screw thread | M3 |
| Number of connections | 16 |
| Number of positions | 6 |
| 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 |

Signaling

| | |
|------------------------|-----|
| Status display present | yes |
|------------------------|-----|

Dimensions

| | |
|--------|----------|
| Width | 267 mm |
| Height | 111.5 mm |
| Depth | 59 mm |

Material specifications

| | |
|-----------------------------|------------------------------------|
| Color | green (RAL 6021) |
| Housing insulation material | PVC, side panel PA non-reinforced, |

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

| | |
|-----------------------|--------------|
| Standards/regulations | IEC 60664 |
| | DIN EN 50178 |

Mounting

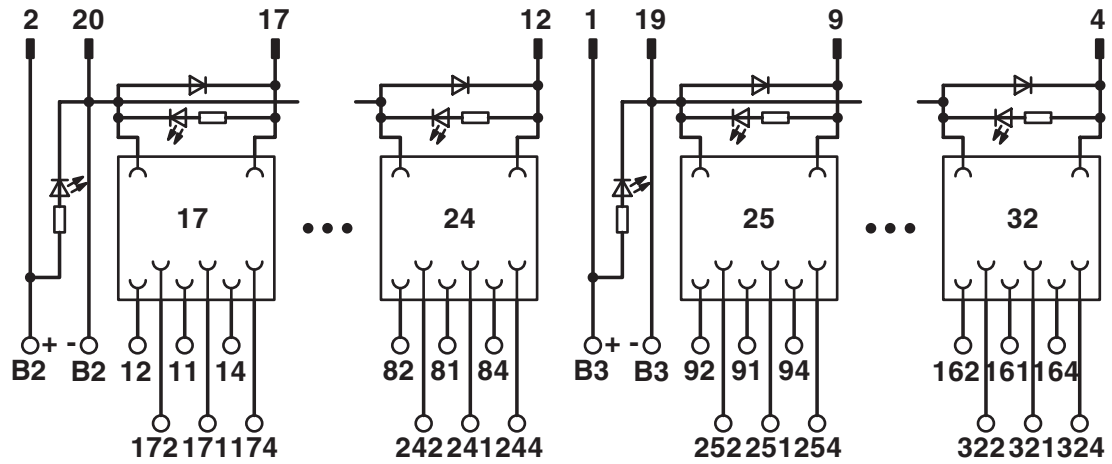
| | |
|-------------------|---------------------------|
| Assembly note | in rows with zero spacing |
| Mounting position | any |

Notes

| | |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Notes on operation | For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met. |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Drawings

Circuit diagram



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<https://www.phoenixcontact.com/us/products/2962201>

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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