

UM- 8 RM-S-G24/21/PLC-MSTB - Active module



2311030

<https://www.phoenixcontact.com/us/products/2311030>

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Relay module, with 8 miniature relays, one changeover contact each, plugged in, for 24 V DC (incl. relay)

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 2311030 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | C429 |
| Product key | DK2A91 |
| GTIN | 4046356134958 |
| Weight per piece (including packing) | 505.1 g |
| Weight per piece (excluding packing) | 505 g |
| Customs tariff number | 85389099 |
| Country of origin | DE |

Technical data

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. |
|--------------------|--|

Product properties

| | |
|-----------------|--------------|
| Product type | Relay Module |
| With components | yes |

Insulation characteristics: Air clearances and creepage distances, input/output

| | |
|----------------------|-----------------------|
| Insulation | Reinforced insulation |
| Overvoltage category | III |
| Pollution degree | 2 |

Insulation characteristics: Air and creepage distances, output/output

| | |
|----------------------|-----------------------|
| Insulation | Functional insulation |
| Overvoltage category | II |
| Pollution degree | 2 |

Electrical properties

Air clearances and creepage distances, input/output

| | |
|--------------------------|------------------|
| Rated insulation voltage | 260 V |
| Rated surge voltage | 6 kV (1.2/50 µs) |

Air and creepage distances, output/output

| | |
|--------------------------|--------------------|
| Rated insulation voltage | 260 V |
| Rated surge voltage | 2.3 kV (1.2/50 µs) |

Input data

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|--------------------------------|--|
| Nominal input voltage U_N | 24 V DC ($\pm 10\%$) |
| Typical input current at U_N | 200 mA (200 mA supply / ≤ 20 mA input current per signal) |

Output data

Switching

| | |
|-----------------------------|--|
| Contact switching type | Single contact, 1 changeover contact |
| Maximum switching voltage | 150 V AC/DC (Maximum switching voltage of 230 V AC: the maximum switching voltage of 230 V is only permitted if the same fuse circuit is used. The outputs are not suitable for switching different outer conductors.) |
| Limiting continuous current | 4 A |

Connection data

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Controller level

| | |
|----------------------------------|-------------------|
| Connection in acc. with standard | IEC 60603-13 |
| Connection method | IDC/FLK pin strip |
| Number of connections | 1 |
| Number of positions | 14 |

Field level

| | |
|----------------------------------|---|
| Connection method | Screw connection |
| Number of connections | 1 |
| Number of positions | 12 |
| Conductor cross-section rigid | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross-section flexible | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross-section AWG | 24 ... 12 |

Supply

| | |
|----------------------------------|---|
| Connection method | Screw connection |
| Number of connections | 1 |
| Number of positions | 2 |
| Conductor cross-section rigid | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross-section flexible | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross-section AWG | 24 ... 12 |

DEROG

| | |
|----------------------------------|---|
| Connection method | Screw connection |
| Number of connections | 1 |
| Number of positions | 3 |
| Conductor cross-section rigid | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross-section flexible | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross-section AWG | 24 ... 12 |

Dimensions

| | |
|--------|--------|
| Width | 61 mm |
| Height | 126 mm |
| Depth | 146 mm |

Environmental and real-life conditions

Ambient conditions

| | |
|--|--------------------------------|
| Degree of protection | IP00 |
| Degree of protection (Installation location) | ≥ IP54 (Installation location) |
| Ambient temperature (operation) | -20 °C ... 50 °C |
| Altitude | ≤ 2000 m |

Standards and regulations

Air clearances and creepage distances, input/output

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| | |
|-----------------------|-----------------------|
| Standards/regulations | DIN EN 50178: 1998-04 |
|-----------------------|-----------------------|

Air and creepage distances, output/output

| | |
|-----------------------|-----------------------|
| Standards/regulations | DIN EN 50178: 1998-04 |
|-----------------------|-----------------------|

Mounting

| | |
|-------------------|-------------------|
| Mounting type | DIN rail mounting |
| Mounting position | any |

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Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2311030>



EAC

Approval ID: RU*DE*08.B.01841/19

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27141152 |
| ECLASS-15.0 | 27141152 |

ETIM

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| ETIM 9.0 | EC002780 |
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UNSPSC

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|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

Environmental product compliance

EU RoHS

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

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 | 90b00a4a-de71-45f3-9f97-0b9b56758dd0 |