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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## Multiple relay module - UMK- 8 RM110DC/MKDS - 2972945

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VARIOFACE module, for 8 plug-in miniature relays or miniature optocouplers, with LED, 110 V DC input voltage

The illustration shows a version for 8 pluggable miniature switching relays or miniature optocouplers



### Key commercial data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 pc  |
| GTIN                                 | <br>4 017918 088873 |
| Weight per Piece (excluding packing) | 271.2 GRM   |
| Custom tariff number                 | 85364900  |
| Country of origin                    | Germany   |

### Technical data

#### Note

|                         |   |
|-------------------------|---|
| Utilization restriction | EMC: class A product, see manufacturer's declaration in the download area |
|-------------------------|---|

#### Dimensions

|        |        |
|--------|--------|
| Width  | 135 mm |
| Height | 77 mm  |
| Depth  | 59 mm  |

#### Ambient conditions

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

## Multiple relay module - UMK- 8 RM110DC/MKDS - 2972945

### Technical data

#### Input data

|   |                        |
|---|------------------------|
| Nominal input voltage $U_N$               | 110 V DC               |
| Input voltage range in reference to $U_N$ | 0.8 ... 1.1            |
| Typical input current at $U_N$            | 2 mA (Light indicator) |
| Type of protection                        | Free-wheeling diode    |
| Protective circuit/component              | Damping diode          |
| Operating voltage display                 | Yellow LED             |
| Status display/channel                    | Yellow LED             |

#### Output data

|  |             |
|--|-------------|
| Contact type                                 | 1 PDT       |
| Maximum switching voltage                    | 250 V AC/DC |
| Limiting continuous current                  | 5 A         |
| Maximum inrush current                       | 8 A         |
| Error detection (line break / short-circuit) | no          |

#### General

|                          |  |
|--------------------------|--|
| No. of channels          | 8  |
| Compatible components    | Miniature relays or miniature optocouplers   |
| With components          | No   |
| Degree of protection     | IP20   |
| Mounting position        | any  |
| Color                    | green  |
| Standards/regulations    | DIN EN 50178   |
|                          | IEC 60664  |
|                          | IEC 62103  |
| Rated insulation voltage | 260 V AC   |
| Rated surge voltage      | 4 kV (Basic insulation between output contact current paths)                                   |
|                          | 6 kV (Safe isolation and reinforced insulation between input circuit and output contact paths) |
| Pollution degree         | 2  |
| Surge voltage category   | III  |

#### Connection data for connection 1

|                                       |                     |
|---------------------------------------|---------------------|
| Connection name                       | Input               |
| Number of connections                 | 1                   |
| Connection method                     | Screw connection    |
| Number of positions                   | 12                  |
| Conductor cross section stranded min. | 0.2 mm <sup>2</sup> |
| Conductor cross section stranded max. | 2.5 mm <sup>2</sup> |

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### Technical data

#### Connection data for connection 1

|  |                     |
|--|---------------------|
| Conductor cross section solid min.     | 0.2 mm <sup>2</sup> |
| Conductor cross section solid max.     | 4 mm <sup>2</sup>   |
| Conductor cross section AWG/kcmil min. | 24                  |
| Conductor cross section AWG/kcmil max  | 12                  |
| Screw thread                           | M3                  |
| Stripping length                       | 8 mm                |

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27371102 |
| eCl@ss 4.1 | 27371102 |
| eCl@ss 5.0 | 27371001 |
| eCl@ss 5.1 | 27371001 |
| eCl@ss 6.0 | 27371001 |
| eCl@ss 7.0 | 27371001 |
| eCl@ss 8.0 | 27371001 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000196 |
| ETIM 3.0 | EC000196 |
| ETIM 4.0 | EC000196 |
| ETIM 5.0 | EC001456 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211916 |
| UNSPSC 7.0901 | 39121543 |
| UNSPSC 11     | 39121543 |
| UNSPSC 12.01  | 39121543 |
| UNSPSC 13.2   | 39121543 |

### Approvals

#### Approvals

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Approvals

GOST

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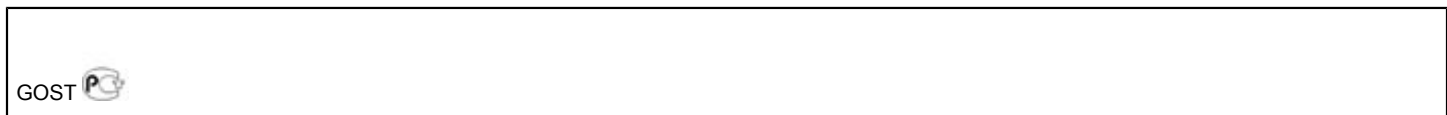
## Approvals

Ex Approvals

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Approvals submitted

## Approval details



## Drawings

Circuit diagram

