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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!



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## Multiple relay module - UMK-16 RM 12DC/MKDS - 2972987

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VARIOFACE module, for 16 plug-in miniature relays or miniature optocouplers, with LED, 12 V DC input voltage

The illustration shows a version for 16 pluggable miniature switching relays or miniature optocouplers



### Key commercial data

Packing unit	1 pc
Custom tariff number	85364190
Country of origin	Germany

### Technical data

#### Note

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

Width	259 mm
Height	77 mm
Depth	59 mm

#### Ambient conditions

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

#### Input data

Nominal input voltage $U_N$	12 V DC $\pm 10\%$
Type of protection	Free-wheeling diode
Protective circuit/component	Damping diode

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### Technical data

#### Input data

Operating voltage display	Yellow LED
Status display/channel	Yellow LED

#### Output data

Contact type	1 PDT
Maximum switching voltage	250 V AC
Limiting continuous current	5 A
Interrupting rating (ohmic load) max.	1250 VA (for 250 V AC)
Error detection (line break / short-circuit)	no

#### General

No. of channels	16
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	20
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
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

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## Technical data

### Connection data for connection 1

Stripping length	8 mm
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## 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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Ex Approvals

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Approvals submitted

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## Approvals

### Approval details



## Drawings

Circuit diagram

