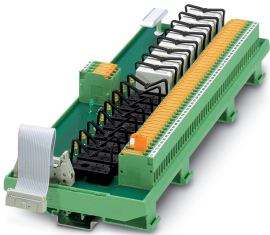


## Active module - UM-16 RELS/KSR-G24/21/E/MT/PLC - 2962379

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VARIOFACE output extension module, with plug-in bases for 16 miniature relays, 1 changeover contact each, for 24 V DC, with knife disconnect terminal blocks in the output (without relays)

### Your advantages

- ✓ LED status indicator and freewheeling diode per signal path
- ✓ Polarity protection diode
- ✓ Supply voltage indicator (LED)
- ✓ Plug-in miniature relays



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 087142
GTIN	4017918087142
Weight per Piece (excluding packing)	736.800 g
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	267 mm
	267 mm

## Active module - UM-16 RELS/KSR-G24/21/E/MT/PLC - 2962379

### Technical data

#### Dimensions

Height	112 mm
	112 mm
Depth	52 mm
	52 mm

#### Ambient conditions

Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Degree of protection	IP00

#### Input data

Nominal input voltage $U_N$	24 V DC
Type of protection	Free-wheeling diode
Protective circuit/component	Damping diode
Operating voltage display	Green LED
Status display/channel	Yellow LED

#### Output data

Contact type	1 changeover contact
Maximum switching voltage	250 V AC/DC
Limiting continuous current	5 A

#### General

No. of channels	16
Compatible components	Miniature relay, REL-MR- 24DC/21HC
With components	no
Mechanical service life	$3 \times 10^7$ cycles
Operating mode	100% operating factor
Mounting position	any
Assembly instructions	In rows with zero spacing
Color	green

#### Connection data

Connection name	Controller level
Connection method	IDC/FLK pin strip
Number of connections	1
Number of positions	20
Pitch	2.54 mm

#### Connection data 2

## Active module - UM-16 RELS/KSR-G24/21/E/MT/PLC - 2962379

### Technical data

#### Connection data 2

Connection name	Field level
Connection method	Screw connection with disconnect knife
Stripping length	8 mm
Screw thread	M3
Number of connections	48
Conductor cross section solid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section AWG	24 ... 12

#### Connection data 3

Connection name	Supply
Connection method	Screw connection with disconnect knife
Stripping length	8 mm
Screw thread	M3
Number of connections	4
Conductor cross section solid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section AWG	24 ... 12

#### Connection data 4

Connection name	Connection for basic module
Connection method	IDC/FLK pin strip
Number of connections	1
Number of positions	20
Pitch	2.54 mm

#### Supported controller

Controller	ALLEN-BRADLEY PLC 5
- suitable I/O card	1771 OBN
Controller	GE-FANUC RX3i
- suitable I/O card	IC694MDL754
Controller	HONEYWELL Experion PKS C200
- suitable I/O card	TC-ODD 321
Controller	MITSUBISHI MELSEC L
- suitable I/O card	LY41PT1P
	LY42PT1P
Controller	MITSUBISHI MELSEC Q
- suitable I/O card	QY82P
Controller	SIEMENS S7-1500

# Active module - UM-16 RELS/KSR-G24/21/E/MT/PLC - 2962379

## Technical data

### Supported controller

- suitable I/O card	6ES7522-1BL00-0AB0
	6ES7522-1BL01-0AB0

### Standards and Regulations

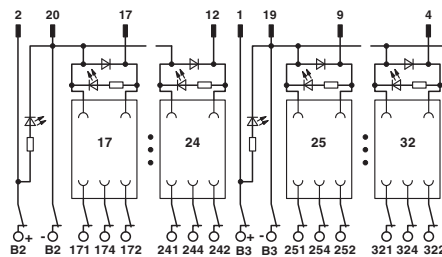
Standards/regulations	DIN EN 50178
	IEC 60664
Rated insulation voltage	260 V AC
Rated surge voltage	4 kV (Basic insulation between output contact current paths)
	6 kV (Safe isolation and reinforced insulation between input circuit and output contact paths)
Pollution degree	2
Overvoltage category	III

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

Circuit diagram



## Classifications

### eCl@ss

eCl@ss 10.0.1	27141152
eCl@ss 11.0	27141152
eCl@ss 4.0	27371100
eCl@ss 4.1	27371100
eCl@ss 5.0	27371600
eCl@ss 5.1	27371000
eCl@ss 6.0	27371600

# Active module - UM-16 RELS/KSR-G24/21/E/MT/PLC - 2962379

## Classifications

### eCl@ss

eCl@ss 7.0	27141152
eCl@ss 9.0	27141152

### ETIM

ETIM 6.0	EC002780
ETIM 7.0	EC002780

### UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39122326
UNSPSC 18.0	39121432
UNSPSC 19.0	39121432
UNSPSC 20.0	39121432
UNSPSC 21.0	39121432

## Approvals

### Approvals

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Approvals


EAC

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Ex Approvals

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### Approval details

EAC		RU*DE*08.B.01841/19
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