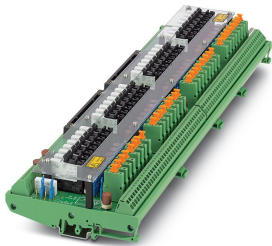


## Active module - UM-2KS50RM/32MR/SI/1/551/Z/MT - 2968551


Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



VARIOFACE output module, 32 channels for Yokogawa ADV 551, ADV 561 output modules.



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 418492
GTIN	4046356418492
Weight per Piece (excluding packing)	3,590.000 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
Type of note	Notes on operation
Note	Do not connect adjacent channels to SELV/ PELV and voltages dangerous to the touch.
Type of note	Notes on operation
Note	No additional touch protection is required when using a SELV/PELV voltage ( $\leq 25$ V AC or 60 V DC).
Type of note	Notes on operation
Note	At least one functional insulation against adjacent modules is complied with (in the support rail direction). If the application has stricter requirements for the insulation (basic insulation or reinforced insulation), they must be realized by applying suitable measures (e. g. partition plates).

## Active module - UM-2KS50RM/32MR/SI/1/551/Z/MT - 2968551

### Technical data

#### Dimensions

Width	419.5 mm
	419.5 mm
Height	127.5 mm
	127.5 mm
Depth	57 mm
	57 mm

#### Ambient conditions

Ambient temperature (operation)	-15 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Maximum altitude	≤ 2000 m
Degree of protection	IP00
	≥ IP54 (Installation location)

#### Input data

Nominal input voltage $U_N$	24 V DC ±10 %
Input voltage range in reference to $U_N$	0.9 ... 1.1
Typical input current at $U_N$	9 mA (K1 – K32)
Typical response time	5 ms (K1 – K32)
	5 ms (K33)
Typical release time	7 ms (K1 – K32)
	5 ms (K33)
Operating voltage display	Green LED

#### Output data

Contact type	1 changeover contact
Contact material	AgSnO <sub>2</sub>
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	12 V AC/DC
Limiting continuous current	2.8 A (observe derating)
Min. switching current	10 mA
Interrupting rating (ohmic load) max.	67 W (24 V DC)
	20 W (48 V DC)
	18 W (60 V DC)
	23 W (110 V DC)
	40 W (220 V DC)
	700 VA (250 V AC)
Output fuse	4 A (per channel)

# Active module - UM-2KS50RM/32MR/SI/1/551/Z/MT - 2968551

## Technical data

### General

No. of channels	32
Mechanical service life	approx. $2 \times 10^7$ cycles
Operating mode	100% operating factor
Mounting position	any
Assembly instructions	In rows with zero spacing

### Connection data

Connection name	Field level
Connection method	Spring-cage connection with disconnect knife
Number of connections	1
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 2

Connection name	Controller level
Connection method	Yokogawa KS-compatible
Number of connections	2
Number of positions	50
Note	Usable system cables: Phoenix Contact YUC50, Yokogawa AKB331
Torque	0.5 Nm

### Supported controller

Controller	YOKOGAWA CS3000 CentumVP
- suitable I/O card	ADV551
	ADV561
Controller	YOKOGAWA STARDOM
- suitable I/O card	NFDV551
	NFDV561

### Standards and Regulations

Designation	Air clearances and creepage distances between the power circuits
Standards/regulations	DIN EN 50178
Rated insulation voltage	250 V AC
Rated surge voltage	4 kV (Safe isolation, reinforced insulation, and 6 kV between input circuit and output contact current paths)
Insulation	Basic insulation
Pollution degree	2
Overvoltage category	III

## Active module - UM-2KS50RM/32MR/SI/1/551/Z/MT - 2968551

### Technical data

#### 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

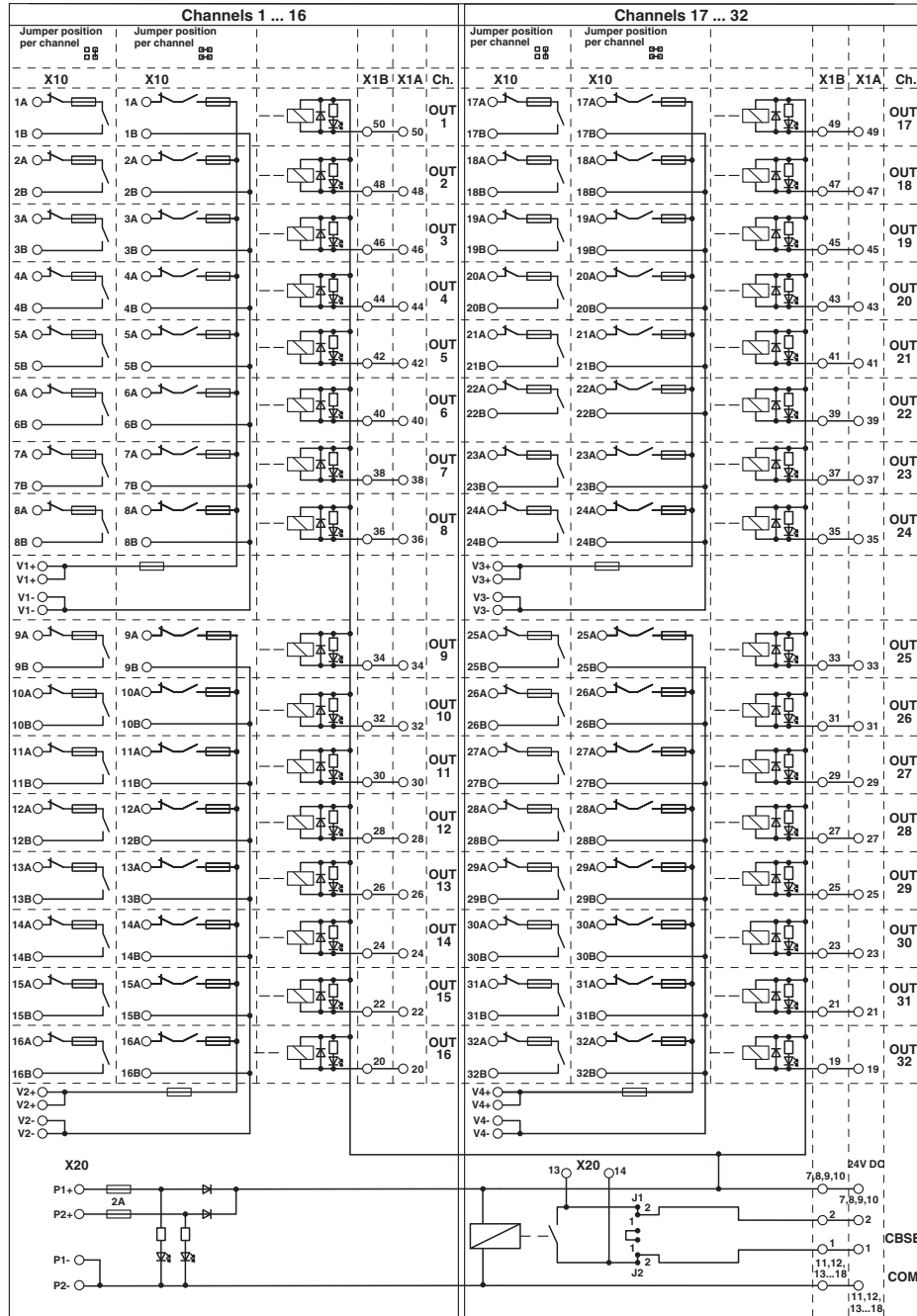
#### Dimensional drawing



The figure shows a version with a screw connection

# Active module - UM-2KS50RM/32MR/SI/1/551/Z/MT - 2968551

Circuit diagram



## Active module - UM-2KS50RM/32MR/SI/1/551/Z/MT - 2968551

### Classifications

#### eCl@ss

eCl@ss 10.0.1	27141152
eCl@ss 11.0	27141152
eCl@ss 4.0	27250300
eCl@ss 4.1	27250300
eCl@ss 5.0	27250300
eCl@ss 5.1	27250300
eCl@ss 6.0	27242600
eCl@ss 7.0	27141152
eCl@ss 9.0	27141152

#### ETIM

ETIM 6.0	EC002780
ETIM 7.0	EC002780

#### UNSPSC

UNSPSC 6.01	30211824
UNSPSC 7.0901	39121421
UNSPSC 11	39121421
UNSPSC 12.01	39121421
UNSPSC 13.2	39121432
UNSPSC 18.0	39121432
UNSPSC 19.0	39121432
UNSPSC 20.0	39121432
UNSPSC 21.0	39121432

### Approvals

#### Approvals

---

Approvals

EAC

---

Ex Approvals

---

#### Approval details

## Active module - UM-2KS50RM/32MR/SI/1/551/Z/MT - 2968551

### Approvals

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