

## Active module - UM-KS50/32-MR/21/ADV551/SO207 - 2311108


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32-channel output relay module (1 N/O contact, optionally non-isolated) with spring-cage connection, fuse (2 AT), and 50-pos. system connection. Suitable for the Yokogawa ADV 551 and ADV 561 cards.

RoHS

### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 145909
GTIN	4046356145909

### Technical data

#### Note

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

Width	267.5 mm
Height	127.5 mm
Depth	44 mm

#### Ambient conditions

Ambient temperature (operation)	-20 °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
Input voltage range in reference to $U_N$	0.9 ... 1.1
Typical input current at $U_N$	7 mA (per channel)

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## Technical data

### Input data

Type of protection	Damping diode, polarity protection
Protective circuit/component	Damping diode, polarity protection diode
Operating voltage display	Green LED
Status display/channel	Yellow LED

### Output data

Contact type	1 N/O contact
Contact material	AgSnO
Maximum switching voltage	230 V AC
Limiting continuous current	2 A (Per channel, pluggable fuse (IEC 6012-3/IV, 2AT))
Maximum inrush current	8 A (Supply, (V1+, V2+), pluggable fuse (UL 248-14, 250 V, 8AT))
Min. switching current	100 mA
Interrupting rating (ohmic load) max.	48 W (at 24 V DC)
	20 W (at 48 V DC)
	18 W (at 60 V DC)
	23 W (at 110 V DC)
	40 W (at 220 V DC)
	500 VA (for 250 V AC)

### General

No. of channels	32
Mounting position	any

### Connection data

Connection name	Field level
Connection method	Spring-cage connection
Conductor cross section solid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section AWG	24 ... 14

### Connection data 2

Connection name	Controller level
Connection method	Yokogawa KS-compatible
Number of connections	1
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

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### Technical data

#### Supported controller

- suitable I/O card	NFDV551
	NFDV561

#### Standards and Regulations

Designation	Air clearances and creepage distances, input/output
Standards/regulations	DIN EN 50178: 1998-04
Rated insulation voltage	260 V
Rated surge voltage	6 kV (1.2/50 µs)
Insulation	Reinforced insulation
Degree of pollution	2
Overvoltage category	III
Designation	Air and creepage distances, output/output
Standards/regulations	DIN EN 50178: 1998-04
Rated insulation voltage	260 V
Rated surge voltage	4 kV (1.2/50 µs)
Insulation	Basic insulation
Degree of pollution	2
Overvoltage category	III

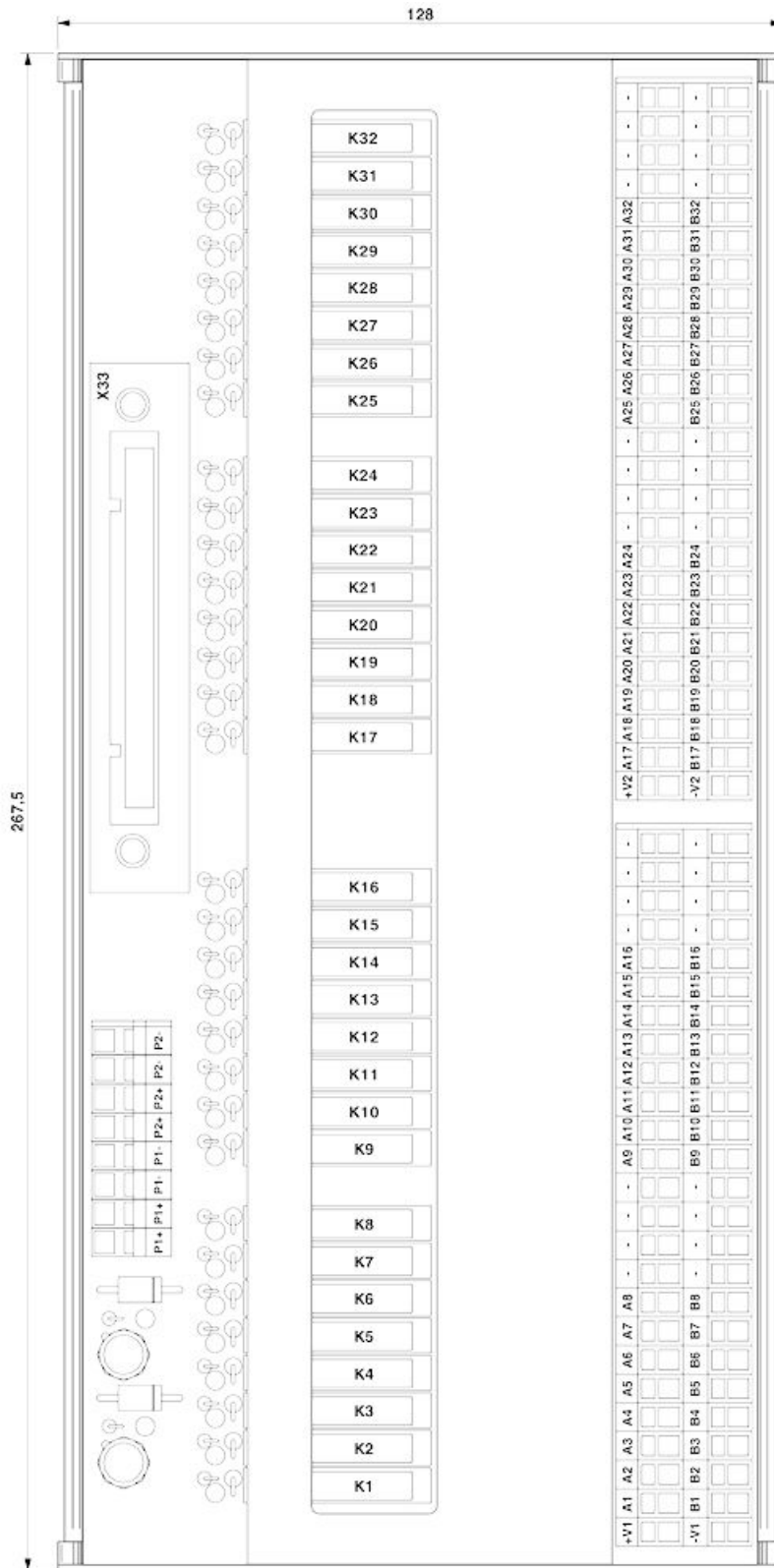
#### Environmental Product Compliance

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

### Drawings

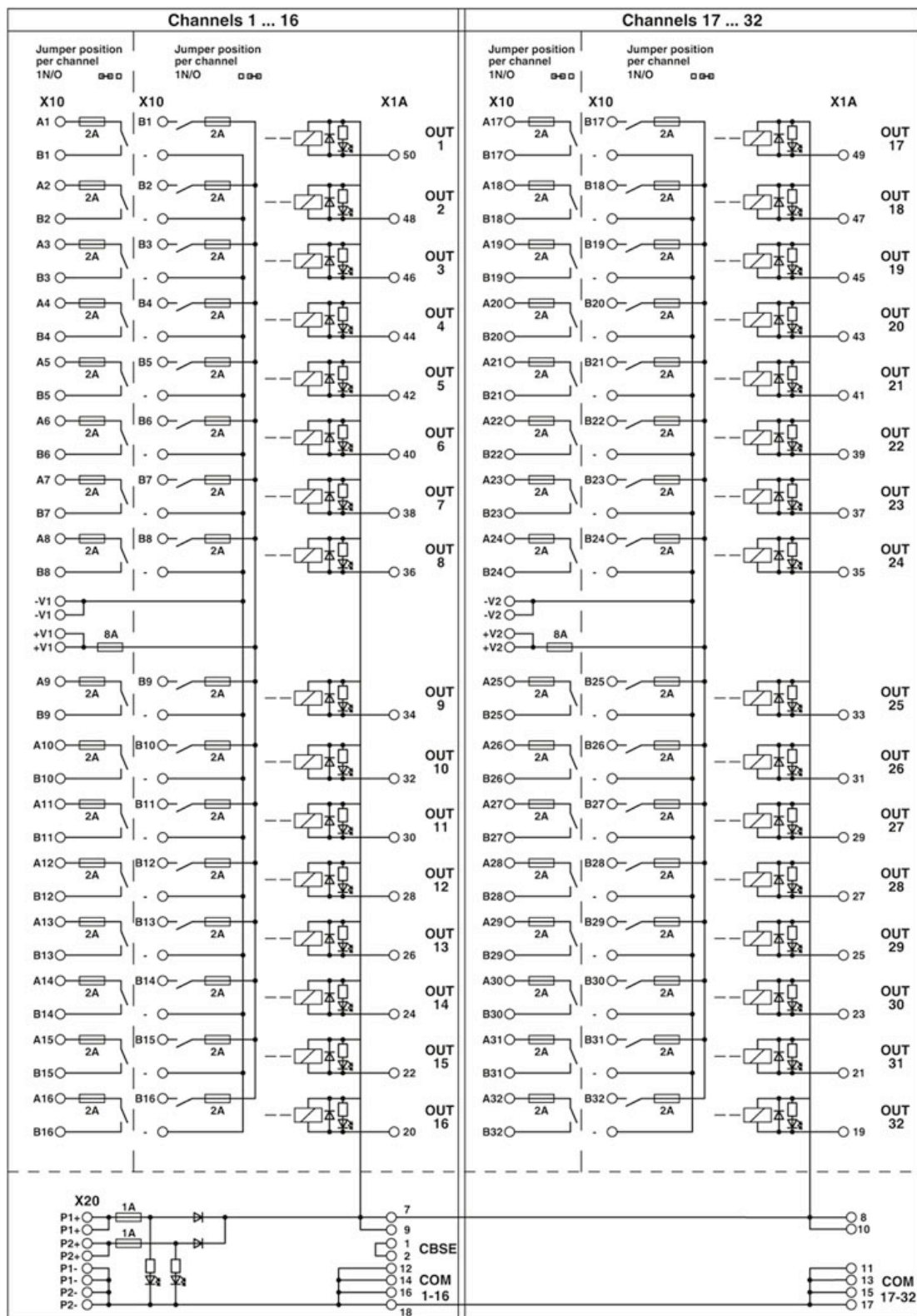
# Active module - UM-KS50/32-MR/21/ADV551/SO207 - 2311108

Dimensional drawing



# Active module - UM-KS50/32-MR/21/ADV551/SO207 - 2311108

Circuit diagram



## Active module - UM-KS50/32-MR/21/ADV551/SO207 - 2311108

### Approvals

Approvals

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Approvals


EAC

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Ex Approvals

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### Approval details

EAC		RU C- DE.A*30.B.01742
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PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>