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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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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 STK
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

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

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Technical data

Input data

Status display/channel	Yellow LED
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Output data

Contact type	Single contact, 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
Degree of protection	IP00
Mounting position	any

Connection data for connection 1

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

Connection data for connection 2

Connection name	Controller level
Connection method	Yokogawa KS-compatible
Torque	0.5 Nm
Number of connections	1
Number of positions	50
Note	Usable system cables: Phoenix Contact YUC50, Yokogawa AKB331

Supported controller

Corresponding control	YOKOGAWA CS3000 CentumVP
Corresponding I/O card	ADV551
	ADV561
Corresponding control	YOKOGAWA STARDOM
Corresponding I/O card	NFDV551
	NFDV561

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Technical data

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

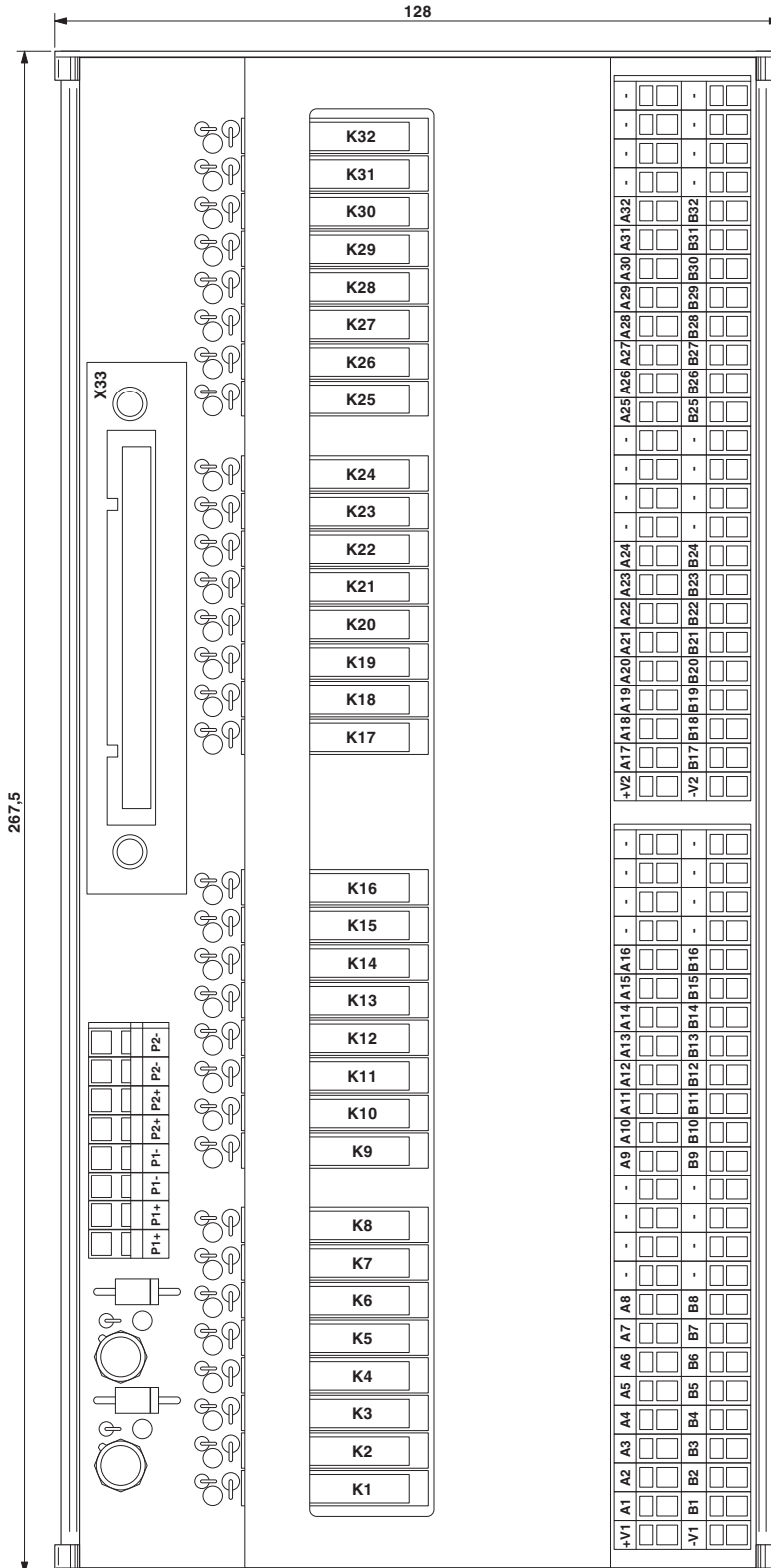
Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

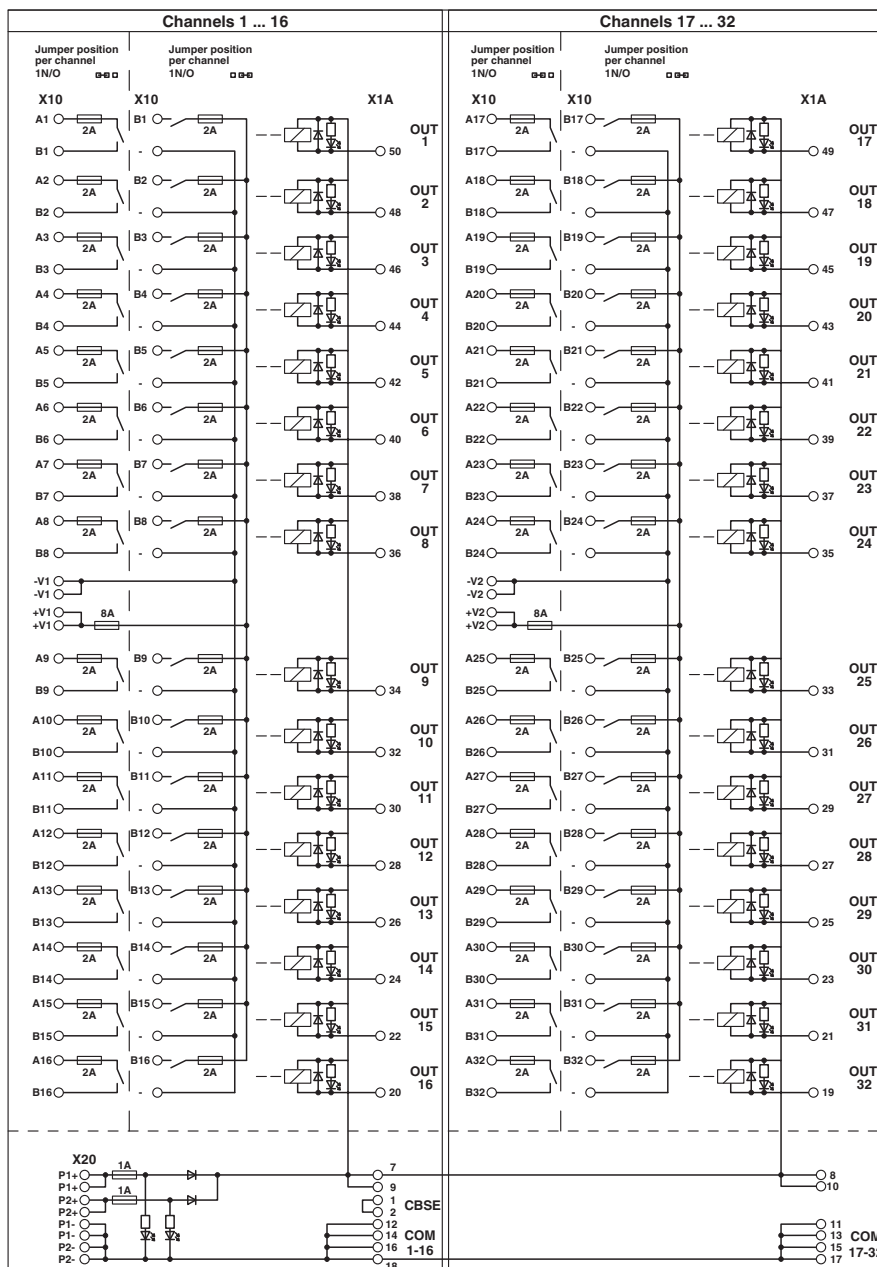
Active module - UM-KS50/32-MR/21/ADV551/SO207 - 2311108

Dimensional drawing



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

Circuit diagram



Approvals

Approvals

Approvals

EAC

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

Approvals

Ex Approvals

Approval details

EAC		EAC-Zulassung
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