

# UM-2KS50/32R/SI/J/ADV551/YCS - Active module



2908400

<https://www.phoenixcontact.com/us/products/2908400>

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32-channel output relay module with screw connection and redundant, 50-pos. system connection, fuse and jumper in every output circuit, for Yokogawa ADV551 and ADV561



## Commercial data

Item number	2908400
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	DK219N
GTIN	4055626297712
Weight per piece (including packing)	991.6 g
Weight per piece (excluding packing)	826 g
Customs tariff number	85369010
Country of origin	DE

## Technical data

### Product properties

Product type	Interface module
Operating mode	100% operating factor
Mechanical service life	2x 10 <sup>7</sup> cycles

### Insulation characteristics: Air clearances and creepage distances

Overvoltage category	II
Pollution degree	2

### Electrical properties

#### Air clearances and creepage distances

Rated insulation voltage	50 V AC
Rated surge voltage	0.5 kV (Functional insulation)

#### Supported controller YOKOGAWA CENTUM VP

Suitable I/O card	ADV551
	ADV561
	NFDV551
	NFDV561

### Input data

Nominal input voltage $U_N$	24 V DC
Input voltage range in reference to $U_N$	0.8 ... 1.2
Input voltage range	19.2 V DC ... 28.8 V DC
Typical input current at $U_N$	7 mA
Typical response time	5 ms
Typical release time	6 ms
Protective circuit	Freewheeling diode; Freewheeling diode
Status display/channel	green LED

### Output data

#### Switching

Contact switching type	1 N/O contact
Type of switch contact	Single contact
Contact material	AgSnO
Maximum switching voltage	250 V AC
	63 V DC
Minimum switching voltage	5 V (100 mA)
Limiting continuous current	1.5 A (32 °C)
	1 A (45 °C)
	0.5 A (50 °C)

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Max. total current of voltage supply	10 A (50 °C)
Min. switching current	1 mA (24 V)
Interrupting rating (ohmic load) max.	48 W (24 V DC)
	20 W (48 V DC)
	18 W (60 V DC)
	500 VA (250 V AC)

## Connection data

### Controller level

Connection method	Yokogawa, KS compatible
Number of connections	1
Number of positions	50

### Field level

Connection method	Screw connection
Number of connections	32
Number of positions	2
Conductor cross-section rigid	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

### Supply

Connection method	Screw connection
Number of connections	4
Number of positions	2
Conductor cross-section rigid	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

## Signaling

Status display present	yes
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## Dimensions

Dimensional drawing	
Width	271.5 mm
Height	127.5 mm
Depth	60.5 mm

## Material specifications

Color	green (RAL 6021)
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP00
Degree of protection (Installation location)	≥ IP54 (Installation location)
Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 80 °C
Altitude	≤ 2000 m
Permissible humidity (operation)	10 % ... 95 % (non-condensing)

## Standards and regulations

### Air clearances and creepage distances

Standards/regulations	EN 60664-1
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## Mounting

Mounting type	DIN rail mounting
Assembly note	in rows with zero spacing
Mounting position	any

## Notes

Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.
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### Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
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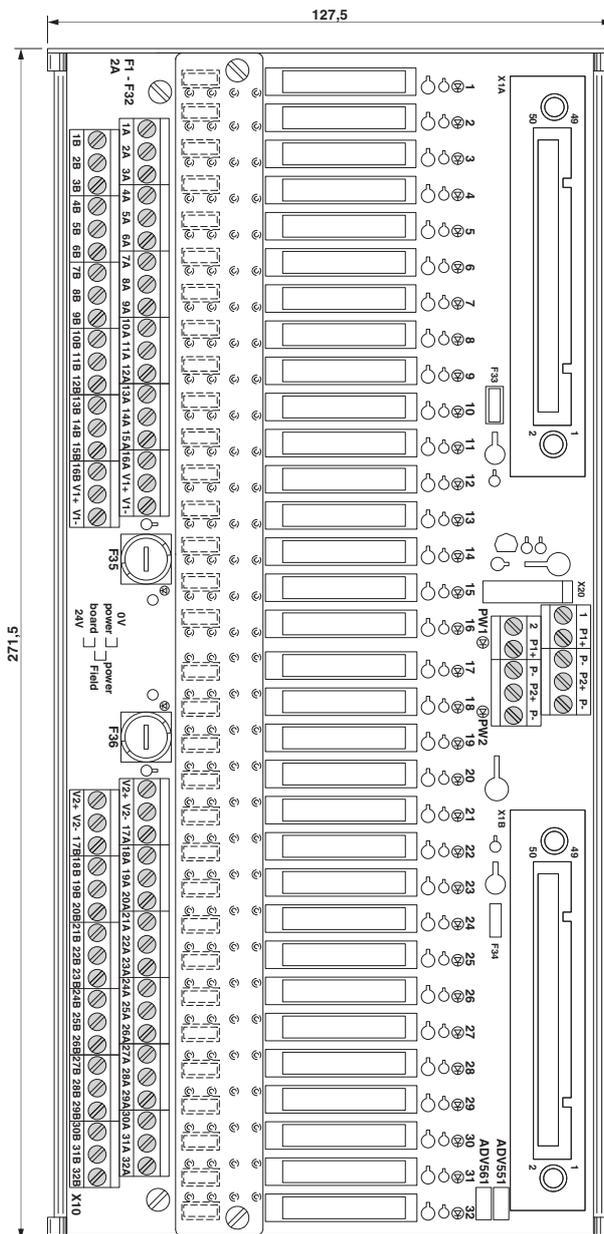


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## Drawings

Dimensional drawing



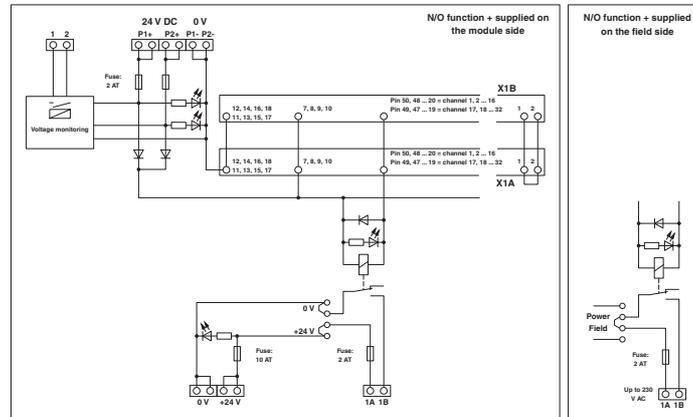
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## Circuit diagram



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2908400>



**EAC**

Approval ID: RU\*-DE.\*08.B.01829\*

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## Classifications

### ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

### ETIM

ETIM 9.0	EC002780
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(a), 7(c)-I

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Hexahydromethylphthalic anhydride(CAS: n/a)
	Lead(CAS: 7439-92-1)
SCIP	be2fbfaf-4aed-4fa0-8b07-1605f3cad67a

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