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32-channel output relay module (one N/O contact) with a screw connection and a fuse (1 A). The voltage supply and 50-pos. system connector are designed redundantly. Suitable for Yokogawa ADV551 card.

## Commercial data

Item number	2904937
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	DK2A81
GTIN	4046356902632
Weight per piece (including packing)	1,094 g
Weight per piece (excluding packing)	333.33 g
Customs tariff number	85369010
Country of origin	DE

## Technical data

### 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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### Product properties

Product type	Relay Module
Insulation characteristics: Air clearances and creepage distances	
Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

### Electrical properties

Air clearances and creepage distances	
Rated insulation voltage	63 V
Rated surge voltage	0.6 kV (1.2/50 µs)

Supported controller YOKOGAWA CS3000 CentumVP	
Suitable I/O card	ADV551

### Input data

Nominal input voltage $U_N$	24 V DC ((SELV, PELV))
Input voltage range in reference to $U_N$	0.8 ... 1.1
Input voltage range	19.2 V DC ... 26.4 V DC
Typical input current at $U_N$	7 mA (per relay)
Protective circuit	Free running; Freewheeling diode
	Reverse polarity protection; Polarity protection diode
Status display/channel	Yellow LED

### Output data

Switching	
Contact switching type	Double contact, 1 N/O contact
Contact material	AgNi, hard gold-plated
Maximum switching voltage	30 V DC ((SELV, PELV))
Limiting continuous current	1 A

### Connection data

Field level	
Connection method	Screw connection

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

2904937

<https://www.phoenixcontact.com/us/products/2904937>



Screw thread	M3
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

## Controller level

Connection method	Yokogawa, KS compatible
Stripping length	8 mm
Number of connections	2
Number of positions	50
Note	Usable system cables: Phoenix Contact YUC50, Yokogawa AKB331
Tightening torque	0.5 Nm

## Dimensions

Width	312 mm
Height	127.5 mm
Depth	105 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 (95 %/50 °C (non-condensing))
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Altitude	≤ 2000 m

## Standards and regulations

Air clearances and creepage distances	
Standards/regulations	EN IEC 60664-1

## Mounting

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

## Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2904937>



**EAC**

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

## 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.)	Lead(CAS: 7439-92-1)
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