

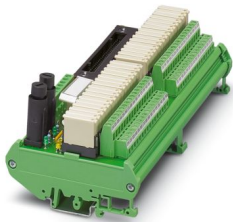
# UMK-32 RM/MR-G24/1/YCS - Active module



2969055

<https://www.phoenixcontact.com/us/products/2969055>

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32-channel output relay module (one N/O contact, 250 V AC/3 A) with a screw connection. The module is controlled through a 50-pos. system connector and is suitable for the Yokogawa ADV 551 and ADV 561 cards.

## Commercial data

Item number	2969055
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	DK219N
GTIN	4046356163699
Weight per piece (including packing)	549.2 g
Weight per piece (excluding packing)	411.8 g
Customs tariff number	85364190
Country of origin	DE

## Technical data

### Product properties

Product type	Interface module
No. of channels	32

### Insulation characteristics

Overvoltage category	II
Pollution degree	2

### Electrical properties

Rated insulation voltage	300 V AC
Rated surge voltage	4 kV (Basic insulation)

Supported controller: YOKOGAWA CS3000 CentumVP

Suitable I/O card	ADV551
	ADV561

Supported controller: YOKOGAWA STARDOM

Suitable I/O card	NFDV551
	NFDV561

### Input data

Nominal input voltage $U_N$	24 V DC
Input voltage range in reference to $U_N$	0.9 ... 1.1
Input voltage range	21.6 V DC ... 26.4 V DC
Typical input current at $U_N$	6.5 mA (per channel)
Protective circuit	Free running; Freewheeling diode
	Reverse polarity protection; Polarity protection diode
Operating voltage display	Green LED
Status display/channel	Yellow LED

### Output data

#### Switching

Contact switching type	1 N/O contact
Maximum switching voltage	250 V AC
	125 V DC
Minimum switching voltage	5 V AC/DC
Limiting continuous current	3 A
Maximum inrush current	2 A (Supply, (P1+, P2+), pluggable fuse (IEC 127-2, 5X20, 2A))
Min. switching current	1 mA
Interrupting rating (ohmic load) max.	72 W (at 24 V DC)
	60 W (at 48 V DC)
	50 W (at 60 V DC)

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	50 W (at 110 V DC)
	750 VA (for 250 V AC)
Error detection (line break / short-circuit)	no

## Connection data

### Field level

Connection method	Screw connection
Number of connections	72
Number of positions	3
Conductor cross-section rigid	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section flexible	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section AWG	26 ... 14

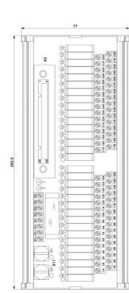
### Controller level

Connection method	Yokogawa, KS compatible
Number of connections	1
Number of positions	50
Note	Usable system cables: Phoenix Contact YUC50, Yokogawa AKB331
Tightening torque	0.5 Nm

## Signaling

Status display present	yes
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## Dimensions

Dimensional drawing	
Width	202.5 mm
Height	77 mm
Depth	61 mm

## Material specifications

Color	green (RAL 6021)
Housing insulation material	PVC, side panel PA non-reinforced,

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP00
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Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

## Standards and regulations

Standards/regulations	EN 61010-2-201
	IEC 60664

## Mounting

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

## Notes

Notes on operation	Observe the maximum switching power of the relays used
Notes on operation	Do not connect adjacent channels to SELV/ PELV and voltages dangerous to the touch.
Notes on operation	The outputs are not suitable for switching different line conductors. The sum of the switching voltages used for adjacent outputs must not exceed the rated insulation voltage value
Notes on operation	The necessary requirements for insulation (basic insulation or reinforced insulation) from adjacent modules (in DIN-rail direction) must be realized by applying suitable measures (e. g., partition plates).
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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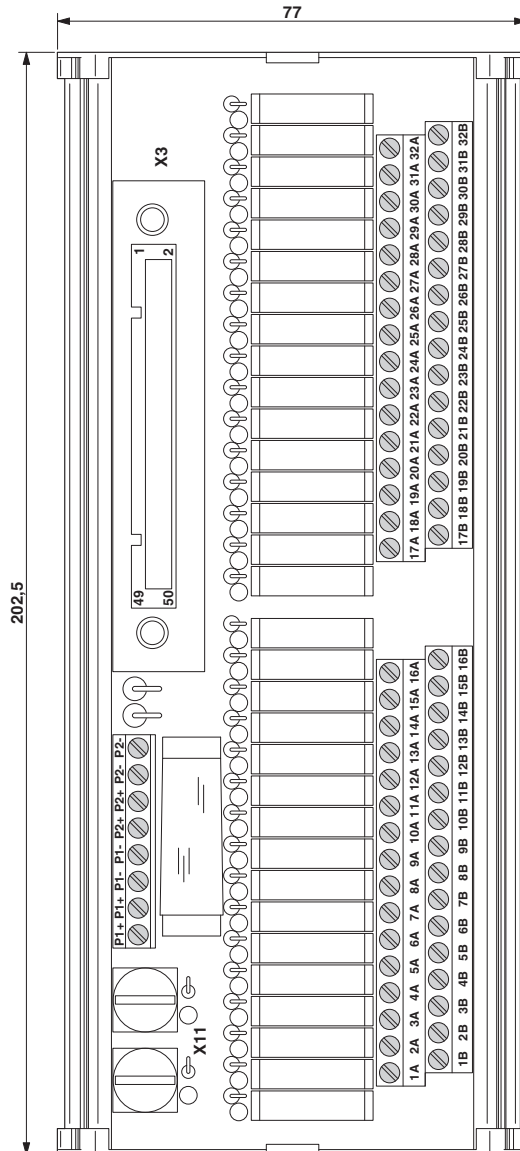


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## Drawings

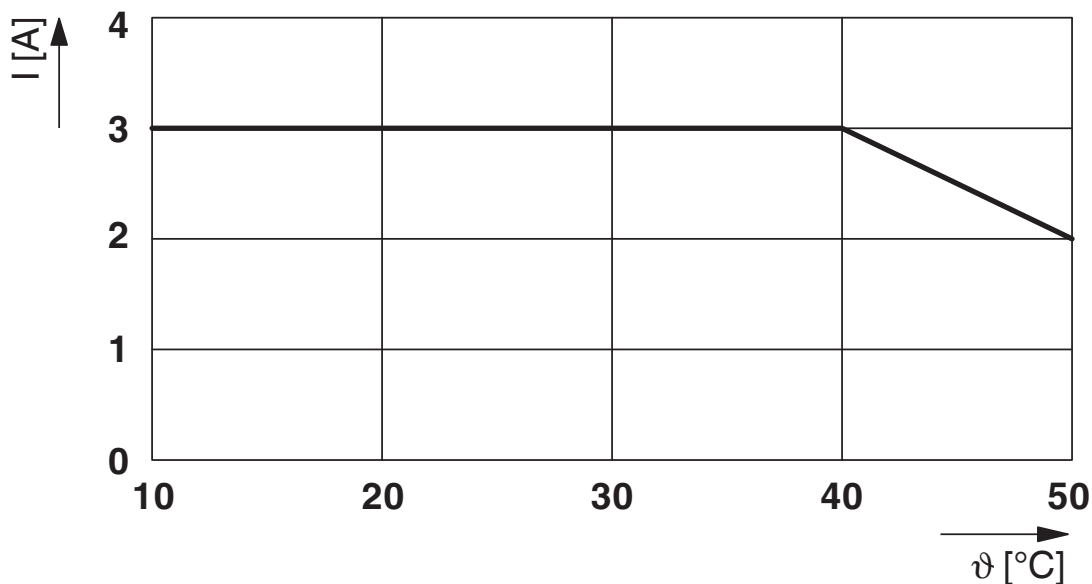
Dimensional drawing



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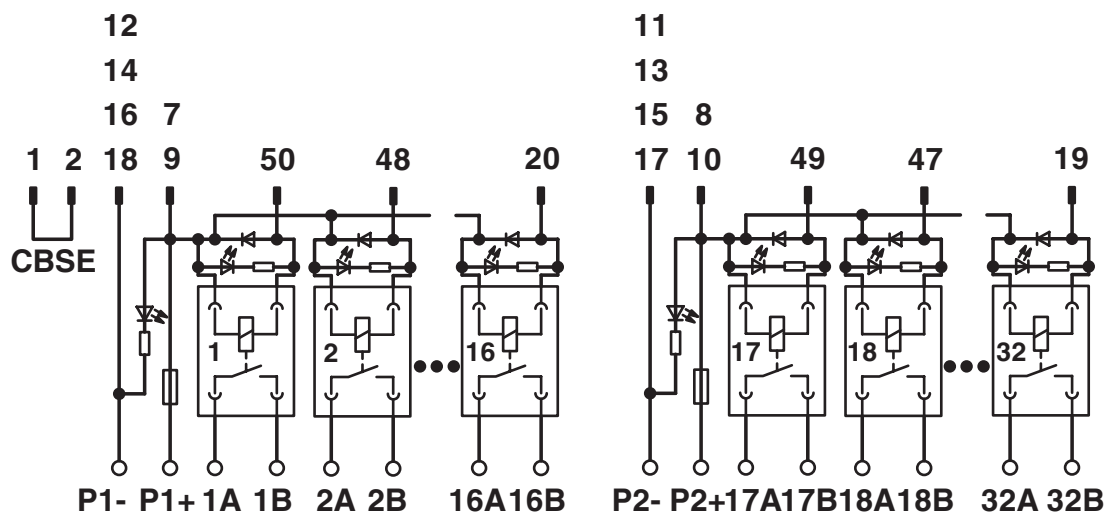
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Diagram



Derating curve for limiting continuous current

Circuit diagram



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2969055>



**EAC**

Approval ID: RU\*DE\*08.B.01841/19

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## Classifications

### ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

### ETIM

ETIM 10.0	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	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)
SCIP	7d1ee103-678c-459c-8062-e7577fbbd41a

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