

# UM-KS50/32MR/1/ADV151/SC/SO207 - Relay module



2900898

<https://www.phoenixcontact.com/gb/products/2900898>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



32-channel VARIOFACE relay module with screw connection and 50-pos. system connection. The power supply is designed redundantly, for Yokogawa ADV 151 card, module width: 232.5 mm

## Commercial data

Item number	2900898
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	DK2A9N
Product key	DK2A9N
GTIN	4046356548403
Weight per piece (including packing)	949.4 g
Weight per piece (excluding packing)	500 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.
--------------------	--

### Product properties

Product type	Relay Module
No. of channels	32

#### 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 $\mu$ s)

#### Supported controller: YOKOGAWA CS3000 CentumVP

Suitable I/O card	ADV151
	ADV161

#### Supported controller: YOKOGAWA STARDOM

Suitable I/O card	NFDV151
	NFDV161

### Input data

Nominal input voltage $U_N$	24 V DC
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 $U_N$	9 mA (per relay)
Protective circuit	Freewheeling diode
	Reverse polarity protection; Polarity protection diode
Status display/channel	Yellow LED

### Output data

#### Switching

Contact switching type	1 N/O contact
Type of switch contact	Single contact
Contact material	AgSnO, hard gold-plated

# UM-KS50/32MR/1/ADV151/SC/SO207 - Relay module



2900898

<https://www.phoenixcontact.com/gb/products/2900898>

Maximum switching voltage	24 V AC/DC
Limiting continuous current	max. 2 A

## Connection data

### Field level

Connection method	Screw connection
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
Number of connections	1
Number of positions	50
Tightening torque	0.5 Nm

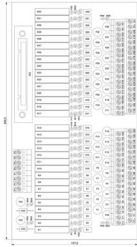
### Supply

Connection method	Screw connection
Number of positions	8
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
------------------------	-----

## Dimensions

Dimensional drawing	
Width	232.5 mm
Height	127.5 mm
Depth	44 mm

## 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

# UM-KS50/32MR/1/ADV151/SC/SO207 - Relay module



2900898

<https://www.phoenixcontact.com/gb/products/2900898>

Altitude	≤ 2000 m
----------	----------

## Standards and regulations

### Air clearances and creepage distances

Standards/regulations	EN IEC 60664-1
-----------------------	----------------

## Mounting

Mounting type	DIN rail mounting
Mounting position	any

# UM-KS50/32MR/1/ADV151/SC/SO207 - Relay module

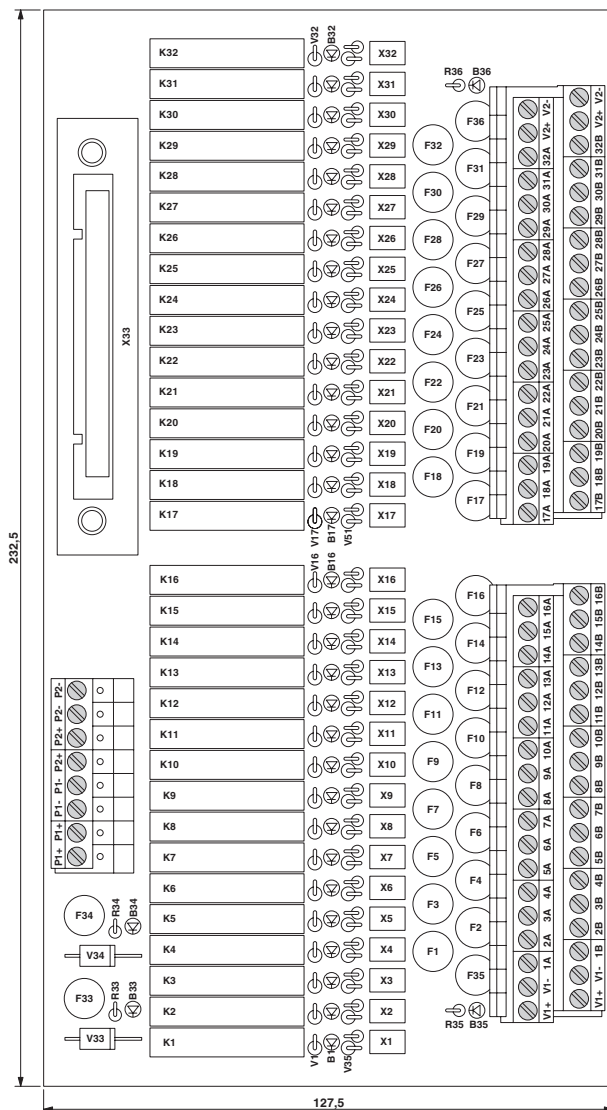


2900898

<https://www.phoenixcontact.com/gb/products/2900898>

## Drawings

Dimensional drawing



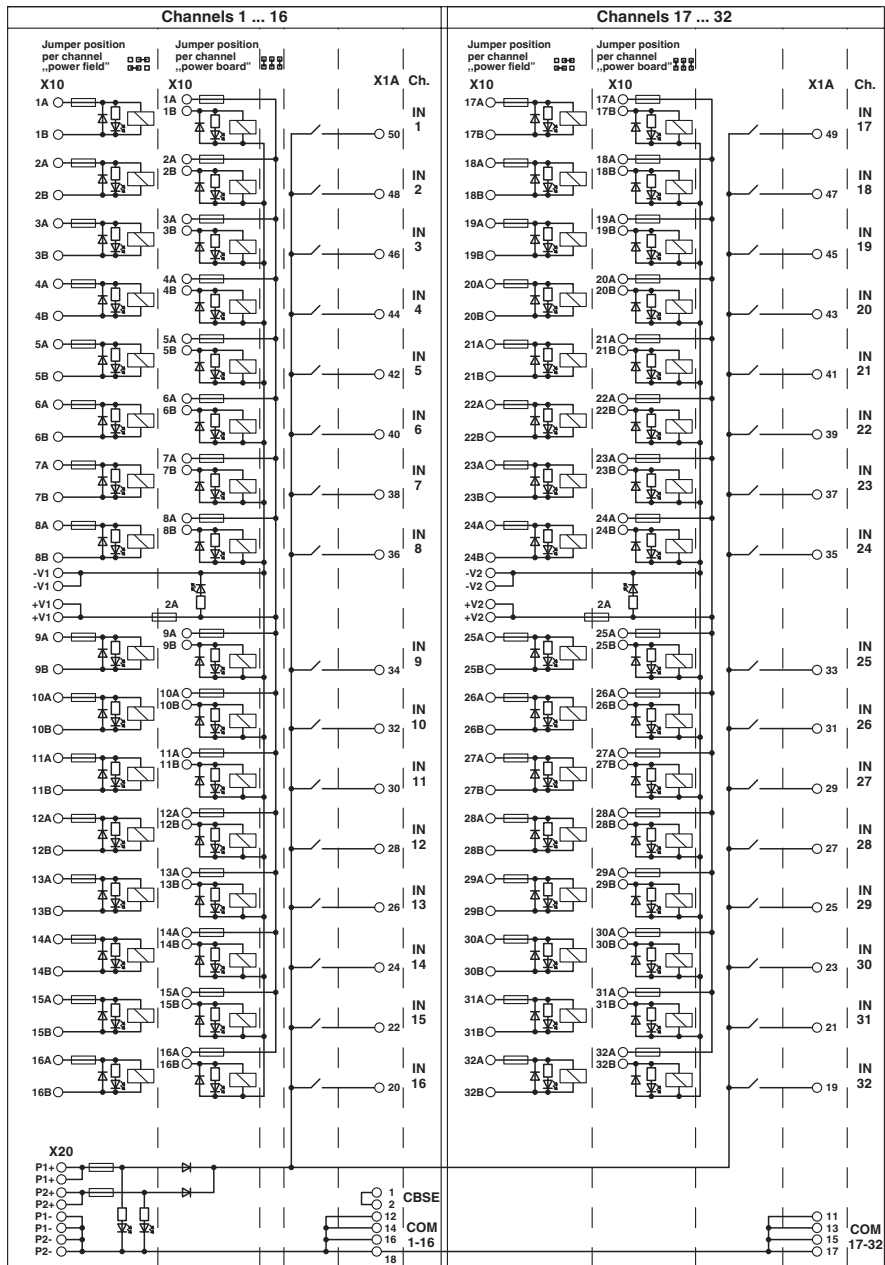
# UM-KS50/32MR/1/ADV151/SC/SO207 - Relay module



2900898

<https://www.phoenixcontact.com/gb/products/2900898>

## Circuit diagram



2900898

<https://www.phoenixcontact.com/gb/products/2900898>

## Classifications

### ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

### ETIM

ETIM 10.0	EC002780
-----------	----------

### UNSPSC

UNSPSC 21.0	39121400
-------------	----------

2900898

<https://www.phoenixcontact.com/gb/products/2900898>

## 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.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

PHOENIX CONTACT Ltd  
Halesfield 13, Telford  
Shropshire, TF7 4PG  
01952 681700  
[info@phoenixcontact.co.uk](mailto:info@phoenixcontact.co.uk)