

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



2900898

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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
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.
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Product properties

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 µs)
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
Maximum switching voltage	24 V AC/DC

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Limiting continuous current	max. 2 A
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Connection data

Field level

Connection method	Screw connection
Conductor cross-section rigid	0.2 mm ² ... 4 mm ²
Conductor cross-section flexible	0.2 mm ² ... 2.5 mm ²
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

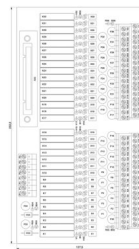
Supply

Connection method	Screw connection
Number of positions	8
Conductor cross-section rigid	0.2 mm ² ... 4 mm ²
Conductor cross-section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross-section AWG	24 ... 12

Signaling

Status display present	yes
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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
Altitude	≤ 2000 m

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Standards and regulations

Air clearances and creepage distances

Standards/regulations	EN IEC 60664-1
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Mounting

Mounting type	DIN rail mounting
Mounting position	any

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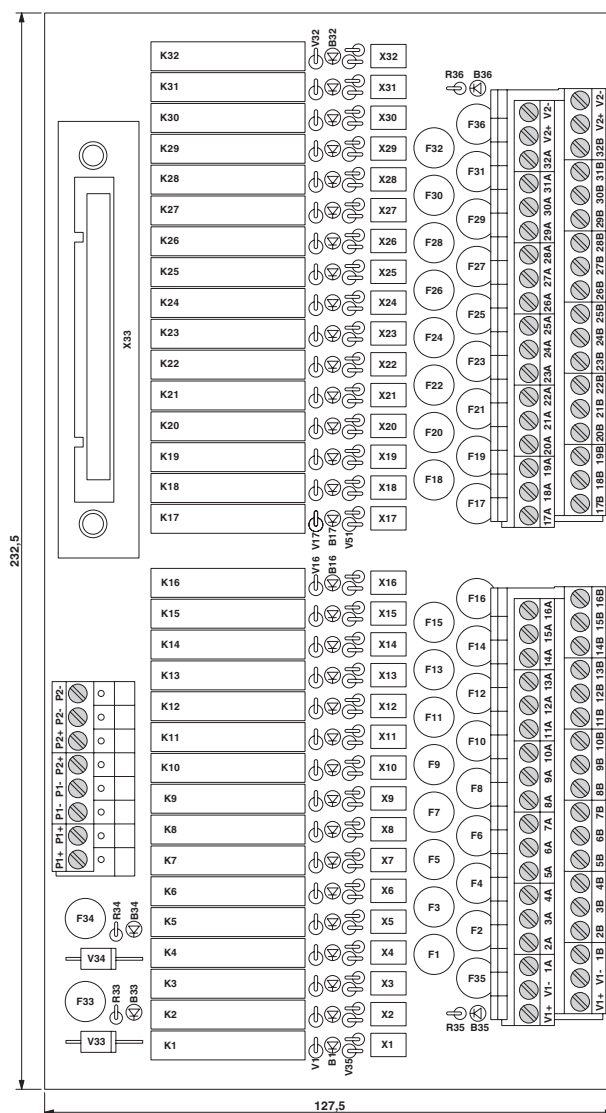
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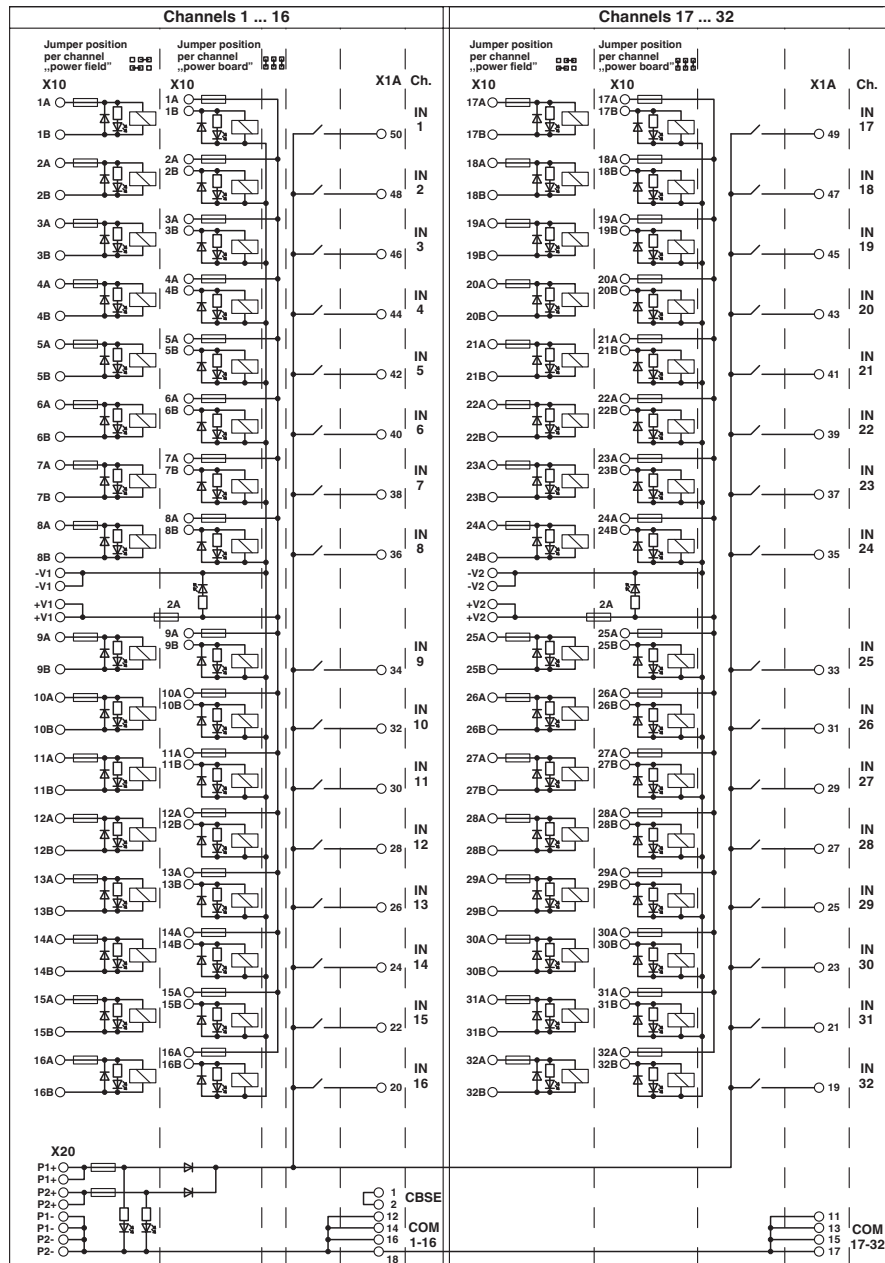


Drawings

Dimensional drawing



Circuit diagram



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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	6(c), 7(a)

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	58b65aed-3aa0-4a8b-9e57-8ee37d675a16