

UM-2KS50/32R/F/J/ADV151 - Active module

2904939

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32-channel input 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 ADV151 card.

Commercial data

Item number	2904939
Packing unit	1 pc
Minimum order quantity	10 pc
Product key	DK2A9N
GTIN	4046356902649
Weight per piece (including packing)	936.3 g
Weight per piece (excluding packing)	333.33 g
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	ADV151

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	Free running; Freewheeling diode Reverse polarity protection; Polarity protection diode

Output data

Switching	
Contact switching type	Double contact, 1 N/O contact
Contact material	AgNi, hard gold-plated
Maximum switching voltage	24 V AC/DC
Limiting continuous current	1 A

Connection data

Field level	
Connection method	Screw connection
Screw thread	M3

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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
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	290 mm
Height	127.5 mm
Depth	44 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 ... 70 °C
Altitude	≤ 2000 m

Standards and regulations

Air clearances and creepage distances

Standards/regulations	DIN EN 50178: 1998-04
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Mounting

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

Classifications

ETIM

ETIM 8.0

EC002780

UNSPSC

UNSPSC 21.0

39121400

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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