

Relay Module - UM-KS50/32MR/1/ADV551/SC/SO207 - 2900899

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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 551 card, module width: 232.5 mm

Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	1020.0 g
Custom tariff number	85369010
Country of origin	Germany

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	232.5 mm
Height	127.5 mm
Depth	44 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 50 °C
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Input data

Nominal input voltage U_N	24 V DC
Input voltage range in reference to U_N	0.8 ... 1.1
Typical input current at U_N	9 mA (per relay)
Protective circuit/component	Damping diode
Type of protection	Reverse polarity protection
Protective circuit/component	Polarity protection diode
Status display/channel	Yellow LED

Output data

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Technical data

Output data

Contact type	1 N/O contact
Contact material	Ag alloy, hard gold-plated
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	12 V AC/DC
Limiting continuous current	max. (2 x 8 A)
Min. switching current	100 mA
Interrupting rating (ohmic load) max.	48 W (at 24 V DC)
	20 W (at 48 V DC)
	18 W (at 60 V DC)
	23 W (at 110 V DC)
	40 W (at 220 V DC)
	500 VA (for 250 V AC)

General

No. of channels	32
Mounting position	any
Designation	Air clearances and creepage distances, input
Standards/regulations	EN 50178
Rated insulation voltage	63 V
Rated surge voltage	0.6 kV (basic insulation)
Degree of pollution	2
Overvoltage category	II
Designation	Air clearances and creepage distances, output
Standards/regulations	EN 50178
Rated insulation voltage	260 V
Rated surge voltage	4 kV (basic insulation)
Degree of pollution	2
Overvoltage category	III
Designation	Air clearances and creepage distances, input/output
Standards/regulations	EN 50178
Rated insulation voltage	260 V
Rated surge voltage	6 kV (Reinforced insulation)
Degree of pollution	2
Overvoltage category	III

Connection data for connection 1

Connection name	Field level
Connection method	Screw connection

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Technical data

Connection data for connection 1

Conductor cross section solid	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

Standards and Regulations

Designation	Air clearances and creepage distances, input
Standards/regulations	EN 50178
Degree of pollution	2
Overvoltage category	II
Designation	Air clearances and creepage distances, output
Standards/regulations	EN 50178
Degree of pollution	2
Overvoltage category	III
Designation	Air clearances and creepage distances, input/output
Standards/regulations	EN 50178
Degree of pollution	2
Overvoltage category	III

Classifications

eCl@ss

eCl@ss 4.0	27371102
eCl@ss 4.1	27371102
eCl@ss 5.0	27371001
eCl@ss 5.1	27371001
eCl@ss 6.0	27371001
eCl@ss 7.0	27371001
eCl@ss 8.0	27141152
eCl@ss 9.0	27141152

ETIM

ETIM 2.0	EC001437
ETIM 3.0	EC001437
ETIM 4.0	EC001423
ETIM 5.0	EC002780

UNSPSC

UNSPSC 6.01	30211916
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Classifications

UNSPSC

UNSPSC 7.0901	39121515
UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39121515

Approvals

Approvals

Approvals

CSA

Ex Approvals

Approvals submitted

Approval details

CSA
