UM-32 RM/RT-G24/21/PLC - Active module

2968373

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VARIOFACE output module, with 32 miniature relays, 1 changeover contact, plugged, for 24 V DC (including relays)

Your advantages

- Narrow design width of just 80 mm (8 channels) or 271 mm (32 channels)
- LED status indicator per signal path and supply voltage
- Plug-in miniature relays, each with a changeover contact
- Freewheeling diode for each signal path

Commercial data

Item number	2968373
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C421
Product key	DK2191
GTIN	4017918917517
Weight per piece (including packing)	1,479.8 g
Weight per piece (excluding packing)	1,479.8 g
Customs tariff number	85364190
Country of origin	DE

Technical data

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., divider 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.

Product properties

Product type	Relay Module
No. of channels	32
Operating mode	100% operating factor
Mechanical service life	3x 10^7 cycles

Insulation characteristics

Overvoltage category	III
Pollution degree	2

Electrical properties

Rated insulation voltage	300 V AC
Rated surge voltage	4 kV (Basic insulation between output contact current paths)
	6 kV (Safe isolation and reinforced insulation between input circuit and output contact paths)

Supported controller: SIEMENS S7-1500

Suitable I/O card	6ES7522-1BL00-0AB0
	6ES7522-1BL01-0AB0

Supported controller: SIEMENS S7-400

Suitable I/O card	6ES7422-1BL00-0AA0
	6ES7422-7BL00-0AB0

Supported controller: ALLEN-BRADLEY PLC 5

Suitable I/O card	1771 OBN

Supported controller: GE-FANUC RX3i

Suitable I/O card	IC694MDL754

Supported controller: HONEYWELL Experion PKS C200

Suitable I/O card	TC-ODD 321

Supported controller: MITSUBISHI MELSEC L

Suitable I/O card	LY41PT1P
	LY42PT1P

Supported controller: MITSUBISHI MELSEC Q

Suitable I/O card	QY81P
	QY82P

Supported controller: SCHNEIDER ELECTRIC Modicon TSX QUANTUM

Suitable I/O card	DDO 353

Supported controller: SIEMENS S7-300 / ET 200 M

Suitable I/O card	6ES7322-1BL00-0AA0

Input data

Nominal input voltage U_N	24 V DC
Input voltage range in reference to U_N	0.85 ... 1.1
Input voltage range	20.4 V DC ... 26.4 V DC
Typical input current at U_N	18 mA
Typical response time	8 ms
Typical release time	10 ms
Protective circuit	Freewheeling diode; Freewheeling diode
Operating voltage display	Green LED
Status display/channel	Yellow LED

Output data

Switching

Contact switching type	1 changeover contact
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	12 V AC/DC
Limiting continuous current	5 A
Min. switching current	10 mA
Interrupting rating (ohmic load) max.	120 W (at 24 V DC)
	58 W (at 48 V DC)
	48 W (at 60 V DC)
	50 W (at 110 V DC)
	80 W (at 220 V DC)
	1250 VA (for 250 V AC)
Error detection (line break / short-circuit)	no

Connection data

Controller level

Connection method	IDC/FLK pin strip
Number of connections	1
Number of positions	50
Pitch	2.54 mm

Field level

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Number of connections	96
Conductor cross-section rigid	0.2 mm² ... 4 mm²
Conductor cross-section flexible	0.2 mm² ... 2.5 mm²
Conductor cross-section AWG	24 ... 12

Supply

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Number of connections	2
Number of positions	3
Conductor cross-section rigid	0.2 mm² ... 4 mm²
Conductor cross-section flexible	0.2 mm² ... 2.5 mm²
Conductor cross-section AWG	24 ... 12

Signaling

Status display present	yes

Dimensions

Width	271.5 mm
Height	125.5 mm
Depth	62.5 mm

Material specifications

Color	green (RAL 6021)

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

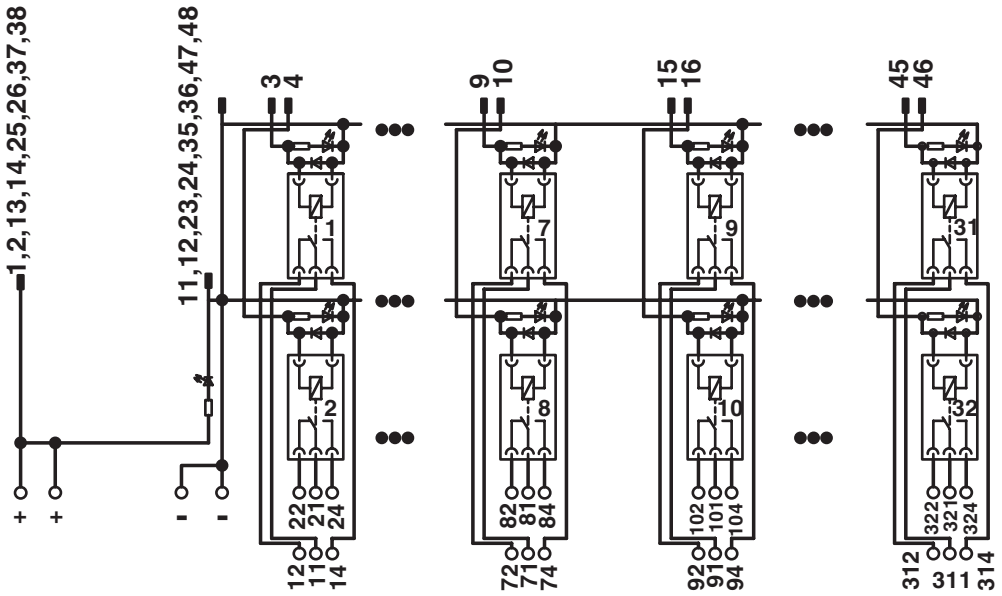
Standards/regulations	EN 61010-2-201
	IEC 60664

Mounting

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

Drawings

Circuit diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2968373

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

Classifications

ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

ETIM

ETIM 10.0	EC002780

UNSPSC

UNSPSC 21.0	39121400

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	d0a3ee56-3261-4834-b937-5eaffb749b68

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