

# VIP-8RPT-24DC/1AU/DI/PLC - Active module



2903600

<https://www.phoenixcontact.com/us/products/2903600>

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VARIOFACE Professional digital input module with eight channels, each with a pluggable N/O miniature relay, for 24 V DC



## Your advantages

- Slim overall width of just 92.7 mm
- LED status indicator per signal path and supply voltage
- Plug-in miniature relays each with an N/O contact

## Commercial data

Item number	2903600
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C423
Product key	DK2141
GTIN	4046356948142
Weight per piece (including packing)	335.3 g
Weight per piece (excluding packing)	99.99 g
Customs tariff number	85369010
Country of origin	US

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## Technical data

### Product properties

Product type	Interface module
Product family	VARIOFACE Professional
No. of channels	8
Operating mode	100% operating factor
Mechanical service life	2x 10 <sup>7</sup> cycles

### Electrical properties

Supported controller: SIEMENS S7-1500

Suitable I/O card	6ES7521-1BH00-0AB0
	6ES7521-1BH50-0AA0
	6ES7521-1BL00-0AB0

Supported controller: ABB S800 I/O

Suitable I/O card	DI810
	DI818

Supported controller: ALLEN-BRADLEY ControlLogix

Suitable I/O card	1756-IB32
	1756-IN16
	1756-IB16
	1756-IC16

Supported controller: ALLEN-BRADLEY PLC 5

Suitable I/O card	1771 IBN
	1771 OBN

Supported controller: ALLEN-BRADLEY SLC 500

Suitable I/O card	1746 IB 32
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Supported controller: GE-FANUC RX3i

Suitable I/O card	IC694MDL754
	IC694MDL660

Supported controller: HONEYWELL Experion PKS C200

Suitable I/O card	TC-IDD 321
	TC-ODD 321

Supported controller: MITSUBISHI MELSEC L

Suitable I/O card	LX41C4
	LX42C4
	LY41NT1P
	LY42NT1P
	LY41PT1P

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	LY42PT1P
Supported controller: MITSUBISHI MELSEC Q	
Suitable I/O card	QX81
	QY81P
	QX41
	QX41-S1
	QX42
	QX42-S1
	QX71
	QX72
	QY41P
	QY42P
	QY71
	QH42P
	QX82
	QX82-S1
	QY82P

## Input data

Nominal input voltage $U_N$	24 V DC $\pm 10$ % (Supply, 2 A)
Input voltage range in reference to $U_N$	0.9 ... 1.1
Input voltage range	21.6 V DC ... 26.4 V DC
Typical input current at $U_N$	9 mA (per channel)
Typical response time	5 ms
Typical release time	8 ms
Protective circuit	Freewheeling diode; Freewheeling diode
Operating voltage display	Green LED
Status display/channel	Yellow LED

## Output data

### Switching

Contact switching type	1 N/O contact
Contact material	AgSnO <sub>2</sub> , hard gold-plated
Maximum switching voltage	24 V DC
	24 V DC
Minimum switching voltage	100 mV (10 mA)
Limiting continuous current	50 mA
Min. switching current	1 mA
Error detection (line break / short-circuit)	no

## Connection data

### Controller level

Connection method	IDC/FLK pin strip
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Stripping length	8 mm
Number of connections	1
Number of positions	14
Pitch	2.54 mm

## Field level

Connection method	Push-in connection
Stripping length	8 mm
Number of positions	14
Conductor cross-section rigid	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section flexible	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section AWG	26 ... 14

## Signaling

Status display present	yes
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## Dimensions

Width	92.7 mm
Height	109.8 mm
Depth	63 mm

## Material specifications

Color	gray (RAL 7042)
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## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

## Standards and regulations

Standards/regulations	DIN EN 50178
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## Mounting

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

## 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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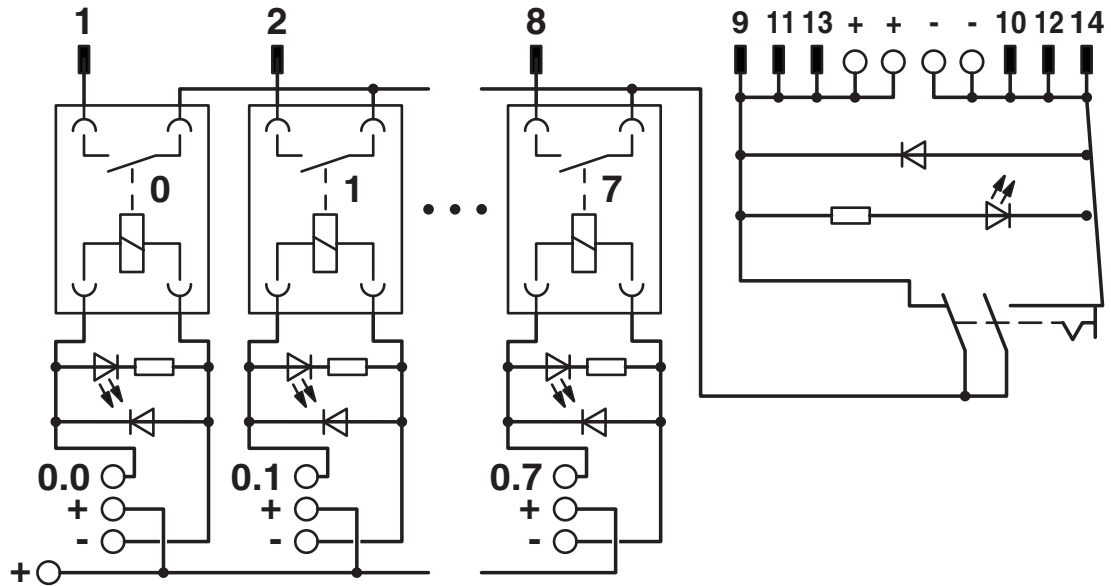


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## Drawings

Circuit diagram



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## Classifications

### UNSPSC

UNSPSC 21.0	39121432
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## Environmental product compliance

### 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.
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### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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