

# Active module - VIP-8RPT-24DC/21/DO/FU/PLC - 2903601

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




VARIOFACE Professional output module with eight channels, each with a pluggable 1 PDT relay and fuse, for 24 V DC

## Why buy this product

- Slim overall width of just 87.6 mm
- LED status indicator per signal path and supply voltage
- Polarity protection diode
- Fuse per output circuit as short-circuit protection
- Plug-in miniature relays each with a SPDT



## Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 STK   |
| GTIN                                 | <br>4 046356 948159 |
| Weight per Piece (excluding packing) | 99.99 g   |
| Weight per piece (including packing) | 330.7 g   |
| Country of origin                    | United States   |

## Technical data

### Note

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

### Dimensions

|        |          |
|--------|----------|
| Width  | 87.6 mm  |
| Height | 109.8 mm |
| Depth  | 63 mm    |

### Ambient conditions

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

# Active module - VIP-8RPT-24DC/21/DO/FU/PLC - 2903601

## Technical data

### Input data

|   |                     |
|---|---------------------|
| Nominal input voltage $U_N$               | 24 V DC             |
| Input voltage range in reference to $U_N$ | 0.9 ... 1.1         |
| Typical input current at $U_N$            | 9 mA                |
| Typical response time                     | 5 ms                |
| Typical release time                      | 8 ms                |
| Type of protection                        | Free-wheeling diode |
| Protective circuit/component              | Damping diode       |
| Operating voltage display                 | Green LED           |
| Status display/channel                    | Yellow LED          |

### Output data

|  |                        |
|--|------------------------|
| Contact type                                 | Single contact, 1-PDT  |
| Contact material                             | AgSnO                  |
| Maximum switching voltage                    | 250 V AC/DC            |
| Minimum switching voltage                    | 12 V AC/DC             |
| Limiting continuous current                  | 5 A (observe derating) |
| Min. switching current                       | 10 mA                  |
| Interrupting rating (ohmic load) max.        | 120 W (24 V DC)        |
|  | 20 W (48 V DC)         |
|  | 18 W (60 V DC)         |
|  | 23 W (110 V DC)        |
|  | 40 W (220 V DC)        |
|  | 1250 VA (250 V AC)     |
| Error detection (line break / short-circuit) | no                     |

### General

|                         |                           |
|-------------------------|---------------------------|
| No. of channels         | 8                         |
| Mechanical service life | $2 \times 10^7$ cycles    |
| Operating mode          | 100% operating factor     |
| Mounting position       | any                       |
| Assembly instructions   | In rows with zero spacing |
| Color                   | gray                      |
| Standards/regulations   | DIN EN 50178              |

### Connection data for connection 1

|                       |                   |
|-----------------------|-------------------|
| Connection name       | Controller level  |
| Connection method     | IDC/FLK pin strip |
| Number of connections | 1                 |
| Number of positions   | 14                |
| Pitch                 | 2.54 mm           |

### Connection data for connection 2

|                 |             |
|-----------------|-------------|
| Connection name | Field level |
|-----------------|-------------|

## Active module - VIP-8RPT-24DC/21/DO/FU/PLC - 2903601

### Technical data

#### Connection data for connection 2

|                                  |  |
|----------------------------------|--|
| Connection method                | Push-in connection                           |
| Stripping length                 | 8 mm   |
| Conductor cross section solid    | 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                                    |

#### Supported controller

|                        |                             |
|------------------------|-----------------------------|
| Corresponding control  | ABB S800 I/O                |
| Corresponding I/O card | DO810                       |
|                        | DO840                       |
| Corresponding control  | ALLEN-BRADLEY ControlLogix  |
| Corresponding I/O card | 1756-OB32                   |
|                        | 1756-OB16E                  |
| Corresponding control  | ALLEN-BRADLEY PLC 5         |
| Corresponding I/O card | 1771 OBN                    |
| Corresponding control  | ALLEN-BRADLEY SLC 500       |
| Corresponding I/O card | 1746 OB16                   |
|                        | 1746 OB 32                  |
| Corresponding control  | Emerson DeltaV              |
| Corresponding I/O card | VE4002S1T1B3                |
|                        | VE4002S1T2B3                |
|                        | VE4002S1T2B3 Series 2       |
|                        | VE4002S1T2B6                |
| Corresponding control  | GE-FANUC 90-30              |
| Corresponding I/O card | IC693 MDL732                |
|                        | IC693 MDL740                |
|                        | IC693 MDL742                |
| Corresponding control  | GE-FANUC RX3i               |
| Corresponding I/O card | IC694MDL754                 |
| Corresponding control  | HONEYWELL Experion PKS C200 |
| Corresponding I/O card | TC-ODD 321                  |
| Corresponding control  | MITSUBISHI MELSEC L         |
| Corresponding I/O card | LY41PT1P                    |
|                        | LY42PT1P                    |
| Corresponding control  | MITSUBISHI MELSEC Q         |
| Corresponding I/O card | QY81P                       |
|                        | QY82P                       |
| Corresponding control  | SIEMENS S7-300 / ET 200 M   |
| Corresponding I/O card | CPU 313C-2DP                |
|                        | CPU 314C-2DP                |
|                        | CPU 314C-2PtP               |

# Active module - VIP-8RPT-24DC/21/DO/FU/PLC - 2903601

## Technical data

### Supported controller

|                        |                     |
|------------------------|---------------------|
|                        | 6ES7 322-1BH01-0AA0 |
|                        | 6ES7 322-1BL00-0AA0 |
|                        | 6ES7 323-1BH01-0AA0 |
|                        | 6ES7 323-1BL00-0AA0 |
|                        | CPU 313C            |
|                        | CPU 313C-2PtP       |
| Corresponding control  | SIEMENS S7-400      |
| Corresponding I/O card | 6ES7 422-1BL00-0AA0 |
|                        | 6ES7 422-7BL00-0AB0 |

### Standards and Regulations

|                                  |              |
|----------------------------------|--------------|
| Connection in acc. with standard | CSA          |
| Standards/regulations            | DIN EN 50178 |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27371104 |
| eCl@ss 4.1 | 27371104 |
| eCl@ss 5.0 | 27371001 |
| eCl@ss 5.1 | 27371001 |
| eCl@ss 6.0 | 27371001 |
| eCl@ss 7.0 | 27371601 |
| eCl@ss 8.0 | 27141152 |
| eCl@ss 9.0 | 27141152 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000196 |
| ETIM 3.0 | EC000196 |
| ETIM 4.0 | EC000196 |
| ETIM 5.0 | EC001437 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211916 |
| UNSPSC 7.0901 | 39121515 |
| UNSPSC 11     | 39121515 |
| UNSPSC 12.01  | 39121515 |
| UNSPSC 13.2   | 39121515 |

## Approvals

### Approvals

# Active module - VIP-8RPT-24DC/21/DO/FU/PLC - 2903601

## Approvals

Approvals

CSA / UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approvals submitted

## Approval details

|                                |       |
|--------------------------------|-------|
| CSA                            |       |
| mm <sup>2</sup> /AWG/kcmil     | 26-16 |
| Nominal current I <sub>N</sub> | 5 A   |
| Nominal voltage U <sub>N</sub> | 240 V |

|                                |       |
|--------------------------------|-------|
| UL Recognized                  |       |
| mm <sup>2</sup> /AWG/kcmil     | 26-14 |
| Nominal current I <sub>N</sub> | 5 A   |
| Nominal voltage U <sub>N</sub> | 250 V |

|                                |       |
|--------------------------------|-------|
| cUL Recognized                 |       |
| mm <sup>2</sup> /AWG/kcmil     | 26-14 |
| Nominal current I <sub>N</sub> | 5 A   |
| Nominal voltage U <sub>N</sub> | 250 V |

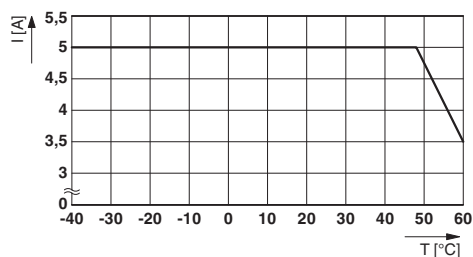
|     |
|-----|
| EAC |
|-----|

|                  |
|------------------|
| cULus Recognized |
|------------------|

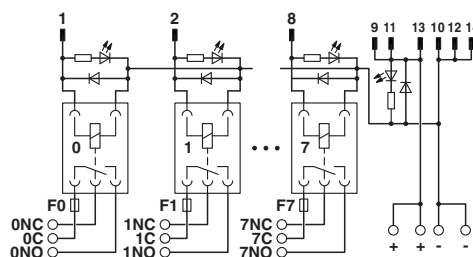
## Drawings

# Active module - VIP-8RPT-24DC/21/DO/FU/PLC - 2903601

Diagram



Circuit diagram



Phoenix Contact 2016 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>



## Стандарт Электрон Связь

Мы молодая и активно развивающаяся компания в области поставок электронных компонентов. Мы поставляем электронные компоненты отечественного и импортного производства напрямую от производителей и с крупнейших складов мира.

Благодаря сотрудничеству с мировыми поставщиками мы осуществляем комплексные и плановые поставки широчайшего спектра электронных компонентов.

Собственная эффективная логистика и склад в обеспечивает надежную поставку продукции в точно указанные сроки по всей России.

Мы осуществляем техническую поддержку нашим клиентам и предпродажную проверку качества продукции. На все поставляемые продукты мы предоставляем гарантию .

Осуществляем поставки продукции под контролем ВП МО РФ на предприятия военно-промышленного комплекса России , а также работаем в рамках 275 ФЗ с открытием отдельных счетов в уполномоченном банке. Система менеджмента качества компании соответствует требованиям ГОСТ ISO 9001.

Минимальные сроки поставки, гибкие цены, неограниченный ассортимент и индивидуальный подход к клиентам являются основой для выстраивания долгосрочного и эффективного сотрудничества с предприятиями радиоэлектронной промышленности, предприятиями ВПК и научно-исследовательскими институтами России.

С нами вы становитесь еще успешнее!

### Наши контакты:

**Телефон:** +7 812 627 14 35

**Электронная почта:** [sales@st-electron.ru](mailto:sales@st-electron.ru)

**Адрес:** 198099, Санкт-Петербург,  
Промышленная ул, дом № 19, литера Н,  
помещение 100-Н Офис 331