

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

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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 |  4 046356 948159 |
| GTIN | 4046356948159 |

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 |

Input data

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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 | 2×10^7 cycles |
| Operating mode | 100% operating factor |
| Mounting position | any |
| Assembly instructions | In rows with zero spacing |
| Color | gray |

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 |
| Connection method | Push-in connection |

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Connection data for connection 2

| | |
|----------------------------------|--|
| Stripping length | 8 mm |
| Conductor cross section solid | 0.14 mm ² ... 2.5 mm ² |
| Conductor cross section flexible | 0.14 mm ² ... 2.5 mm ² |
| 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 |
| | 6ES7 322-1BH01-0AA0 |

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Technical data

Supported controller

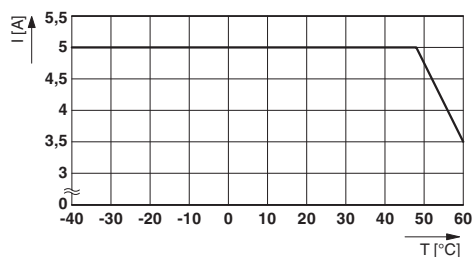
| | |
|------------------------|---------------------|
| | 6ES7 322-1BL00-0AA0 |
| | 6ES7 323-1BH01-0AA0 |
| | 6ES7 323-1BL00-0AA0 |
| | CPU 313C |
| | CPU 313C-2PtP |
| Corresponding control | SIEMENS S7-400 |
| Corresponding I/O card | 6ES7 422-1BL00-0AA0 |
| | 6ES7 422-7BL00-0AB0 |

Standards and Regulations

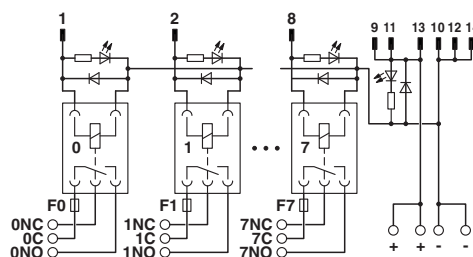
| | |
|----------------------------------|--------------|
| Connection in acc. with standard | CSA |
| Standards/regulations | DIN EN 50178 |

Drawings

Diagram



Circuit diagram



Approvals

Approvals

Approvals

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

Ex Approvals


Approval details


| | | | |
|--------------------------------|--|---|---------|
| CSA | | http://www.csagroup.org/services/testing-and-certification/certified-product-listing/ | 2122203 |
| mm ² /AWG/kcmil | | 26-16 | |
| Nominal current I _N | | 5 A | |


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Approvals

| | |
|--------------------|-------|
| Nominal voltage UN | 240 V |
|--------------------|-------|

| | | | |
|--------------------|---|---|---------------|
| UL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 238705 |
| mm²/AWG/kcmil | 26-14 | | |
| Nominal current IN | 5 A | | |
| Nominal voltage UN | 250 V | | |

| | | | |
|--------------------|---|---|---------------|
| cUL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 238705 |
| mm²/AWG/kcmil | 26-14 | | |
| Nominal current IN | 5 A | | |
| Nominal voltage UN | 250 V | | |

| | | |
|-----|---|--------------------------|
| EAC |  | RU C- DE.A*30.B.01742 |
|-----|---|--------------------------|

| | | |
|------------------|---|---|
| cULus Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm |
|------------------|---|---|

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