

VIP-8RPT-120AC/1AU/DI/PLC - Active module



2904576

<https://www.phoenixcontact.com/us/products/2904576>

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VARIOFACE Professional digital input module with eight channels, each with a pluggable, N/O miniature relay, for 120 V AC



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 | 2904576 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | C423 |
| Product key | DK2141 |
| GTIN | 4046356948876 |
| Weight per piece (including packing) | 330.5 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 ⁷ cycles |

Electrical properties

Supported controller: SIEMENS S7-1500

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

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 |
|-------------------|------------|

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 Q

| | |
|-------------------|---------|
| Suitable I/O card | QX81 |
| | QY81P |
| | QX41 |
| | QX41-S1 |
| | QX42 |
| | QX42-S1 |
| | QX71 |
| | QX72 |
| | |

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| | |
|--|---------|
| | QY41P |
| | QY42P |
| | QY71 |
| | QH42P |
| | QX82 |
| | QX82-S1 |
| | QY82P |

Supported controller: MITSUBISHI MELSEC L

| | |
|-------------------|----------|
| Suitable I/O card | LX41C4 |
| | LX42C4 |
| | LY41NT1P |
| | LY42NT1P |
| | LY41PT1P |
| | LY42PT1P |

Input data

| | |
|---|--|
| Nominal input voltage U_N | 120 V AC \pm 10 % (Supply, 2 A) |
| Input voltage range in reference to U_N | 0.9 ... 1.1 |
| Input voltage range | 108 V AC ... 132 V AC |
| Typical input current at U_N | 3.5 mA (per channel) |
| Typical response time | 6 ms |
| Typical release time | 15 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, 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 |
| Stripping length | 8 mm |
| Number of connections | 1 |
| Number of positions | 14 |

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| | |
|-------|---------|
| 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 ² ... 2.5 mm ² |
| Conductor cross-section flexible | 0.14 mm ² ... 2.5 mm ² |
| Conductor cross-section AWG | 26 ... 14 |

Signaling

| | |
|------------------------|-----|
| Status display present | yes |
|------------------------|-----|

Dimensions

| | |
|--------|----------|
| Width | 92.7 mm |
| Height | 109.8 mm |
| Depth | 63 mm |

Material specifications

| | |
|-------|-----------------|
| Color | gray (RAL 7042) |
|-------|-----------------|

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 |
|-----------------------|--------------|

Mounting

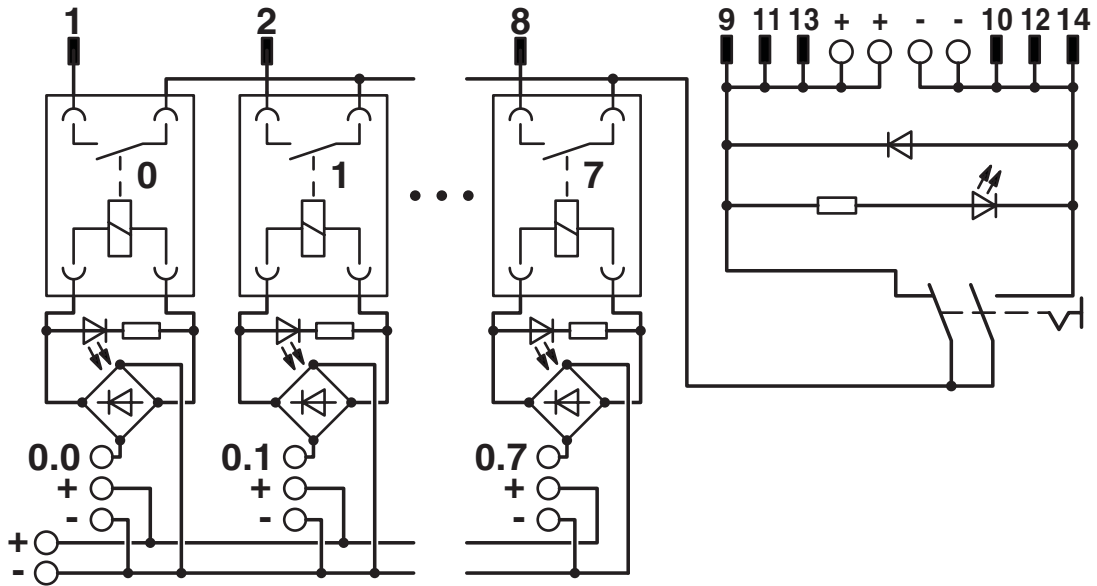
| | |
|-------------------|---------------------------|
| Mounting type | DIN rail mounting |
| Assembly note | in rows with zero spacing |
| Mounting position | any |

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. |
|--------------------|--|

Drawings

Circuit diagram



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Classifications

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121432 |
|-------------|----------|

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Environmental product compliance

China RoHS

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|--|--|
| 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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