

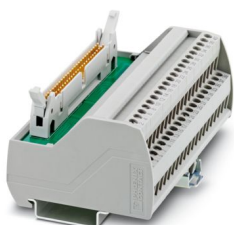
# VIP-2/SC/FLK50/PLC - Passive module



2315227

<https://www.phoenixcontact.com/us/products/2315227>

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VARIOFACE interface module for 32 channels

## Your advantages

- Can be used for digital I/O modules
- With LED as an option
- Byte-by-byte labeling

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2315227       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | C423          |
| Product key                          | DK2111        |
| GTIN                                 | 4046356313353 |
| Weight per piece (including packing) | 206.7 g       |
| Weight per piece (excluding packing) | 212.7 g       |
| Customs tariff number                | 85366990      |
| Country of origin                    | US            |

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## Technical data

### Product properties

|                     |                        |
|---------------------|------------------------|
| Product type        | Interface module       |
| Product family      | VARIOFACE Professional |
| Number of positions | 50                     |
| No. of channels     | 32                     |

### Insulation characteristics

|                      |    |
|----------------------|----|
| Overvoltage category | II |
| Pollution degree     | 2  |

### Electrical properties

|                        |                  |
|------------------------|------------------|
| Operating voltage (AC) | ≤ 25 V AC        |
| Operating voltage (DC) | ≤ 60 V DC        |
| Current (per branch)   | ≤ 1 A            |
| Current ( )            | ≤ 2 A (per byte) |
| Rated surge voltage    | 0.6 kV           |

### Supported controller: SIEMENS ET 200SP HA

|                         |                                           |
|-------------------------|-------------------------------------------|
| Suitable terminal block | 6DL1193-6TP00-0BH1                        |
|                         | 6DL1193-6TP00-0DH1                        |
|                         | 6DL1193-6TP00-0BM1                        |
|                         | 6DL1193-6TP00-0DM1                        |
| Suitable I/O module     | 6DL1131-6BL00-0PH1 (Terminal Block H1/M1) |
|                         | 6DL1132-6BL00-0PH1 (Terminal Block H1/M1) |

### Supported controller: SIEMENS S7-1500

|                   |                    |
|-------------------|--------------------|
| Suitable I/O card | 6ES7521-1BL00-0AB0 |
|                   | 6ES7521-1BL10-0AA0 |
|                   | 6ES7522-1BL00-0AB0 |
|                   | 6ES7522-1BL01-0AB0 |
|                   | 6ES7522-1BL10-0AA0 |
|                   | 6ES7523-1BL00-0AA0 |

### Supported controller: ALLEN-BRADLEY ControlLogix

|                   |            |
|-------------------|------------|
| Suitable I/O card | 1756-IA16I |
|                   | 1756-IB16D |
|                   | 1756-IB16I |
|                   | 1756-IB32  |
|                   | 1756-IH16I |
|                   | 1756-OB32  |
|                   | 1756-IF8   |
|                   | 1756-IF16  |
|                   | 1756-HSC   |

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|                                                              |             |
|--------------------------------------------------------------|-------------|
|                                                              | 1756-M02AE  |
|                                                              | 1756-IF8H   |
| Supported controller: ALLEN-BRADLEY PLC 5                    |             |
| Suitable I/O card                                            | 1771 IBN    |
|                                                              | 1771 OBN    |
| 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    |
|                                                              | LY42PT1P    |
| Supported controller: MITSUBISHI MELSEC Q                    |             |
| Suitable I/O card                                            | QX41        |
|                                                              | QX41-S1     |
|                                                              | QX42        |
|                                                              | QX42-S1     |
|                                                              | QX71        |
|                                                              | QX72        |
|                                                              | QY41P       |
|                                                              | QY42P       |
|                                                              | QY71        |
|                                                              | QH42P       |
|                                                              | QX82        |
|                                                              | QX82-S1     |
|                                                              | QY82P       |
| Supported controller: SCHNEIDER ELECTRIC Modicon TSX QUANTUM |             |
| Suitable I/O card                                            | DDI 353     |
|                                                              | DDI 841     |
|                                                              | DAI 453     |
|                                                              | DDO 353     |

## Connection data

Field level

# VIP-2/SC/FLK50/PLC - Passive module



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|                                  |                     |
|----------------------------------|---------------------|
| Connection in acc. with standard | IEC / EN            |
| Connection method                | Screw connection    |
| Stripping length                 | 8 mm                |
| Screw thread                     | M 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           |
| Tightening torque                | 0.5 Nm ... 0.6 Nm   |

## Controller level

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

## Signaling

|                        |    |
|------------------------|----|
| Status display         | no |
| Status display present | no |

## Dimensions

### Item dimensions

|        |          |
|--------|----------|
| Width  | 106.1 mm |
| Height | 65.5 mm  |
| Depth  | 56 mm    |

## Material specifications

|                                        |                             |
|----------------------------------------|-----------------------------|
| Color                                  | gray (RAL 7042)             |
| Flammability rating according to UL 94 | V0                          |
| Housing insulation material            | Polyamide PA non-reinforced |

## Environmental and real-life conditions

### Ambient conditions

|                                         |                  |
|-----------------------------------------|------------------|
| Ambient temperature (operation)         | -20 °C ... 50 °C |
| Ambient temperature (storage/transport) | -20 °C ... 70 °C |

## Standards and regulations

|                       |              |
|-----------------------|--------------|
| Standards/regulations | IEC 60664    |
|                       | DIN EN 50178 |

## Mounting

|                   |                   |
|-------------------|-------------------|
| Mounting type     | DIN rail mounting |
| Mounting position | any               |

## Notes

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## 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.

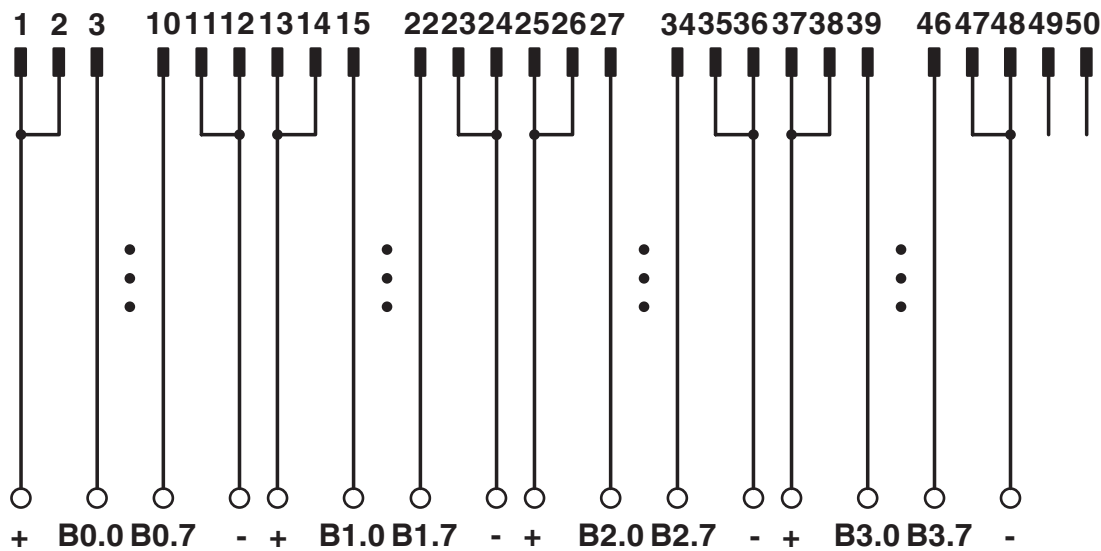
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Drawings

Circuit diagram



Connection scheme VIP-2/SC/FLK50/PLC

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2315227>

|  <b>CSA</b><br>Approval ID: 2122203 |                       |                       |                   |                             |
|----------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                                                                                                      | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine                                                                                                                |                       |                       |                   |                             |
|                                                                                                                      | 125 V                 | 1 A                   | 30 - 12           | -                           |

|  <b>cUL Recognized</b><br>Approval ID: E238705 |                       |                       |                   |                             |
|---------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                                                                                                                 | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine                                                                                                                           |                       |                       |                   |                             |
|                                                                                                                                 | 125 V                 | 1 A                   | 30 - 12           | -                           |

|  <b>UL Recognized</b><br>Approval ID: E238705 |                       |                       |                   |                             |
|----------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                                                                                                                  | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine                                                                                                                            |                       |                       |                   |                             |
|                                                                                                                                  | 125 V                 | 1 A                   | 30 - 12           | -                           |

|  <b>CSAus</b><br>Approval ID: 2122203 |                       |                       |                   |                             |
|--------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                                                                                                          | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine                                                                                                                    |                       |                       |                   |                             |
|                                                                                                                          | 125 V                 | 1 A                   | 30 - 12           | -                           |

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27141152 |
| ECLASS-15.0 | 27141152 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC002780 |
|-----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

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## Environmental product compliance

### EU RoHS

|                                         |                    |
|-----------------------------------------|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|-----------------------------------------|--------------------|

### China RoHS

|                                        |                                          |
|----------------------------------------|------------------------------------------|
| Environment friendly use period (EFUP) | EFUP-E                                   |
|                                        | No hazardous substances above the limits |

### EU REACH SVHC

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

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