

# VIP-2/SC/FLK14/8P/PLC - Termination board



2322294

<https://www.phoenixcontact.com/us/products/2322294>

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VARIOFACE interface module, for 8 channels, each with an additional terminal block per signal for a common plus potential

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2322294       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | C423          |
| Product key                          | DK2111        |
| GTIN                                 | 4046356451185 |
| Weight per piece (including packing) | 94.8 g        |
| Weight per piece (excluding packing) | 80 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 | 14                     |
| No. of channels     | 8                      |

### Insulation characteristics

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

### Electrical properties

|                                           |                |
|-------------------------------------------|----------------|
| Max. permissible operating voltage        | 25 V AC        |
|                                           | 60 V DC        |
| Max. current carrying capacity per branch | 1 A            |
| Max. total current of voltage supply      | 3 A (per byte) |
| Rated surge voltage                       | 0.6 kV         |

### Supported controller SIEMENS S7-1500

|                   |                                               |
|-------------------|-----------------------------------------------|
| Suitable I/O card | 6ES7521-1BH00-0AB0                            |
|                   | 6ES7521-1BH10-0AA0                            |
|                   | 6ES7521-1BH50-0AA0                            |
|                   | 6ES7521-1BL00-0AB0                            |
|                   | 6ES7521-1BL10-0AA0                            |
|                   | 6ES7521-1BP00-0AA0 (Sinking mode)             |
|                   | 6ES7522-1BH00-0AB0                            |
|                   | 6ES7522-1BH01-0AB0                            |
|                   | 6ES7522-1BL00-0AB0                            |
|                   | 6ES7522-1BL01-0AB0                            |
|                   | 6ES7522-1BL10-0AA0                            |
|                   | 6ES7522-1BP00-0AA0                            |
|                   | 6ES7522-1BP50-0AA0                            |
|                   | 6ES7523-1BL00-0AA0                            |
|                   | 6ES7523-1BP50-0AA0 (DI32 (Sinking mode)/DQ32) |

### Supported controller ABB S800 I/O

|                   |       |
|-------------------|-------|
| Suitable I/O card | DI810 |
|                   | DI811 |
|                   | DI818 |
|                   | DI830 |
|                   | DI831 |
|                   | DI840 |
|                   | DO814 |
|                   | DO818 |

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## Supported controller ALLEN-BRADLEY ControlLogix

|                   |            |
|-------------------|------------|
| Suitable I/O card | 1756-IB32  |
|                   | 1756-OB32  |
|                   | 1756-IN16  |
|                   | 1756-IB16  |
|                   | 1756-IC16  |
|                   | 1756-OB16E |

## 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 | QX81    |
|                   | QY81P   |
|                   | QX41    |
|                   | QX41-S1 |
|                   | QX42    |
|                   | QX42-S1 |
|                   | QX71    |
|                   | QX72    |
|                   | QY41P   |
|                   | QY42P   |
|                   | QY71    |
|                   | QH42P   |
|                   | QX82    |
|                   | QX82-S1 |
|                   | QY82P   |

## Supported controller SIEMENS S7-300 / ET 200 M

|                   |                    |
|-------------------|--------------------|
| Suitable I/O card | CPU 313C-2DP       |
|                   | CPU 314C-2DP       |
|                   | CPU 314C-2PtP      |
|                   | 6ES7321-1BH02-0AA0 |

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|  |                    |
|--|--------------------|
|  | 6ES7321-1BL00-0AA0 |
|  | 6ES7322-1BH01-0AA0 |
|  | 6ES7322-1BL00-0AA0 |
|  | 6ES7323-1BH01-0AA0 |
|  | 6ES7323-1BL00-0AA0 |

Supported controller SCHNEIDER ELECTRIC Modicon TSX QUANTUM

|                   |         |
|-------------------|---------|
| Suitable I/O card | DDI 353 |
|                   | DDI 853 |
|                   | DAI 453 |
|                   | DDO 353 |

## Connection data

### Field level

|                                  |                     |
|----------------------------------|---------------------|
| Connection method                | Screw connection    |
| Stripping length                 | 8 mm                |
| Screw thread                     | M3                  |
| 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   | 14                |
| Pitch                 | 2.54 mm           |

## Signaling

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

## Dimensions

### Item dimensions

|        |         |
|--------|---------|
| Width  | 50 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

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## 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

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

# VIP-2/SC/FLK14/8P/PLC - Termination board

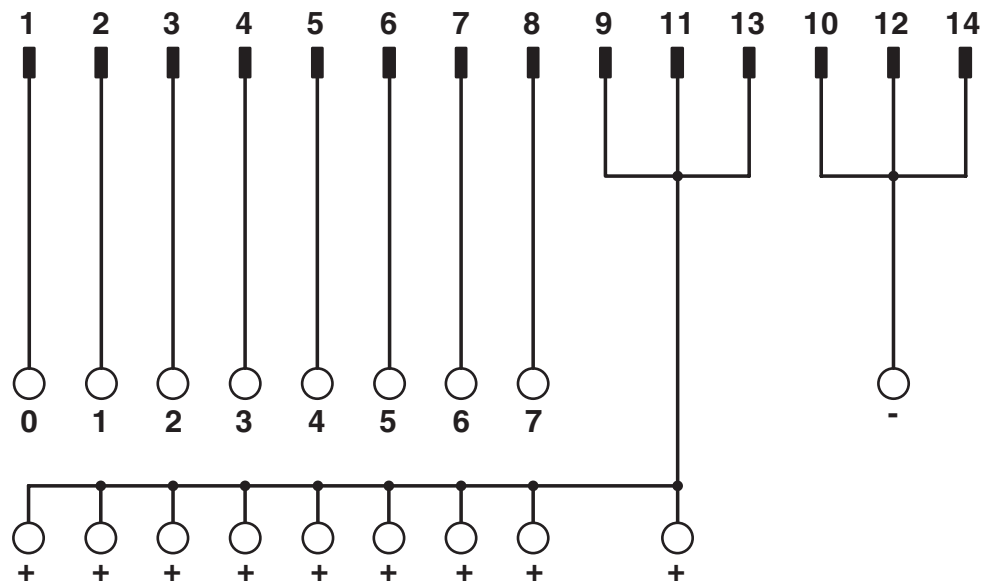


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## Drawings

Circuit diagram



Connection scheme VIP-2/.../FLK14/8P/PLC

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2322294>

|  <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           | -                           |

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## Classifications

### ECLASS

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

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | 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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