

# VIP-PA-2X14/26/ 4,0M/1756/064 - Front adapter



1162418

<https://www.phoenixcontact.com/us/products/1162418>

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VIP VARIOFACE front adapter, with connected system cables for ControlLogix® 1756 I/O. Up to 1 x 16 channels can be connected.

## Your advantages

- Individual I/O modules lock to the controller for connection security
- Disconnect lever aids in removal from I/O card
- Marking label can be attached
- Pluggable push in terminals on adapter for returns connections
- Shield connection: UL Type AWM, Style 1007 18 AWG (0.82 mm<sup>2</sup>) cable, black, 0.5 m length

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1162418                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | C423                           |
| Product key                          | DK232R                         |
| GTIN                                 | 4063151172824                  |
| Weight per piece (excluding packing) | 780 g                          |
| Customs tariff number                | 85444290                       |
| Country of origin                    | DE                             |

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## Technical data

### Product properties

|                |                        |
|----------------|------------------------|
| Product type   | Front adapter          |
| Product family | VARIOFACE Professional |

### Insulation characteristics

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

### Electrical properties

|                                |           |
|--------------------------------|-----------|
| Operating voltage (DC)         | ≤ 60 V DC |
| Current (Per path)             | ≤ 1 A     |
| Current (total, RTN terminals) | ≤ 6 A     |

Supported controller: ALLEN-BRADLEY ControlLogix

|                   |           |
|-------------------|-----------|
| Suitable I/O card | 1756-OF8  |
|                   | 1756-OF8H |

### Connection data

#### Controller level

|                   |   |
|-------------------|---|
| Connection method | Plug-in connection                      |
| Note              | Can be plugged onto 20-pos. I/O modules |

#### Field level

|                                  |                      |
|----------------------------------|----------------------|
| Connection in acc. with standard | IEC 60603-13         |
| Connection method                | IDC/FLK socket strip |
| Number of connections            | 2                    |
| Number of positions              | 14                   |
| Pitch                            | 2.54 mm              |

#### Return

|                                  |  |
|----------------------------------|--|
| Connection method                | Push-in / plug connection                    |
| Stripping length                 | 9 mm   |
| Conductor cross-section rigid    | 0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> |
| Conductor cross-section flexible | 0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> |
| Conductor cross-section AWG      | 26 ... 16                                    |

### Dimensions

#### Item dimensions

|        |           |
|--------|-----------|
| Width  | 355.98 mm |
| Height | 47.28 mm  |
| Depth  | 57.55 mm  |

#### Cable

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|        |     |
|--------|-----|
| Length | 4 m |
|--------|-----|

## Cable/line

14X0.14 [PVC]

|   |   |
|---|---|
| UL AWM Style                                  | 2464/1061   |
| Number of positions                           | 14  |
| Shielded                                      | yes   |
| Cable type                                    | 14X0.14 [PVC]   |
| Conductor type                                | Assembled shielded round cable                                    |
| Conductor structure signal line               | 7x 0.16 mm  |
| AWG signal line                               | 26  |
| Conductor cross-section                       | 14x 0.14 mm <sup>2</sup>  |
| Wire diameter incl. insulation                | 1 mm ±0.03 mm   |
| External cable diameter                       | 6.70 mm ±0.4 mm   |
| Outer sheath, material                        | Semi-rigid PVC  |
| External sheath, color                        | gray  |
| Conductor material                            | Tin-plated Cu litz wires  |
| Cable resistance                              | ≤ 145 Ω/km (20 °C)  |
| Insulation resistance                         | ≥ 20 MΩ*km (20 °C)  |
| Smallest bending radius, fixed installation   | 71 mm   |
| Smallest bending radius, movable installation | 128 mm  |
| Dynamic load capacity (bending)               | Max. bending cycles: 5000 (at a radius of ≥ 15x outside diameter) |
| Halogen-free                                  | no  |
| Flame resistance                              | IEC 60332-1-2 (raw cable)   |
|   | VDE 0842, Part 332-1-2 (raw cable)                                |
|   | IEC 60332-3-22 (raw cable)  |
|   | UL VW-1   |
|   | CSA FT-1  |
| Resistance to oil                             | can withstand occasional splashes (raw cable)                     |
| Cable type                                    | Front adapter with splitting cable for two modules                |

## Environmental and real-life conditions

Ambient conditions

|   |                               |
|---|-------------------------------|
| Degree of protection                    | IP20                          |
| Ambient temperature (operation)         | 0 °C ... 60 °C                |
| Ambient temperature (storage/transport) | 0 °C ... 80 °C                |
| Altitude                                | ≤ 2000 m (Above sea level)    |
| Permissible humidity (operation)        | 0 % ... 95 % (non-condensing) |

## Approvals

UL data

|          |          |
|----------|----------|
| Altitude | ≤ 2000 m |
|----------|----------|

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|  |                |
|--|----------------|
| Ambient temperature (operation)                | 0 °C ... 60 °C |
| Max. permissible relative humidity (operation) | ≤ 95 %         |

## Standards and regulations

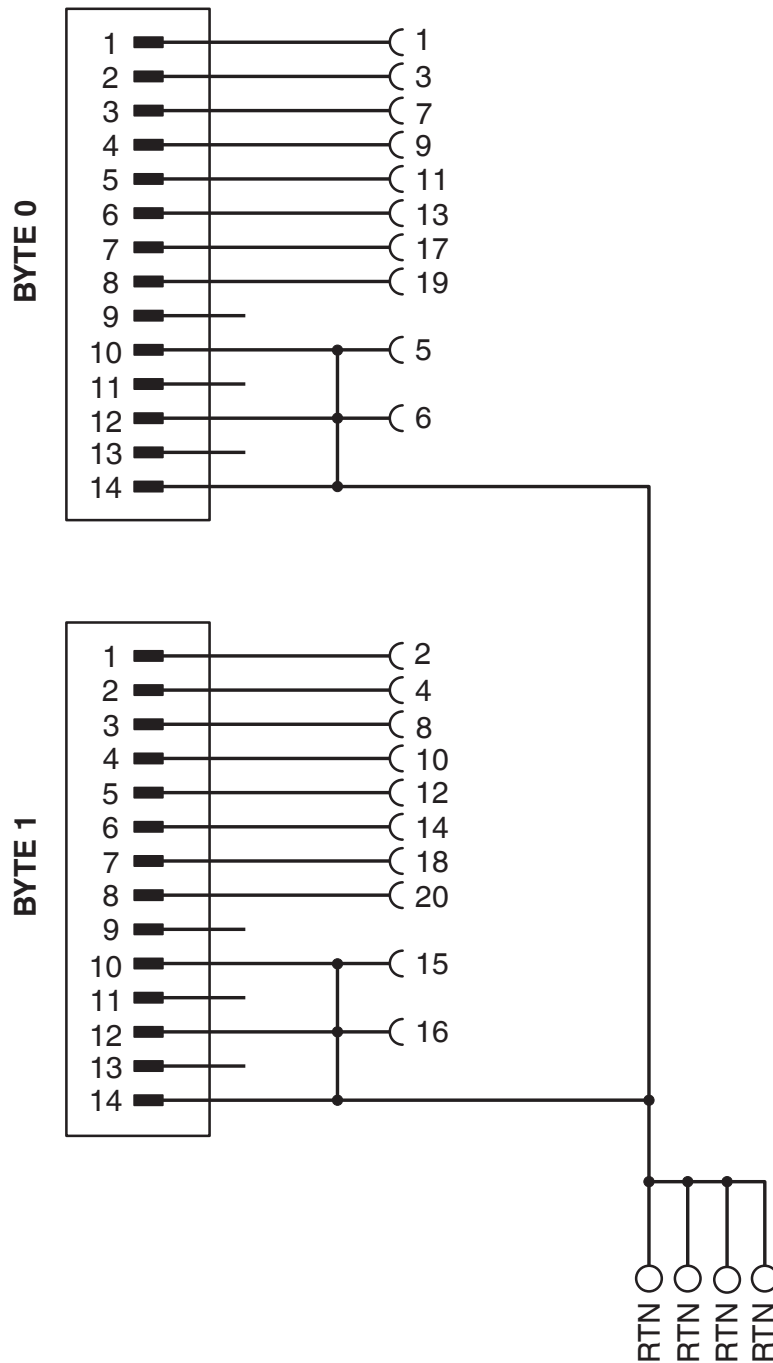
|                       |                |
|-----------------------|----------------|
| Standards/regulations | UL 61010-2-201 |
|-----------------------|----------------|

## 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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## Approvals

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**UL classified**

Approval ID: E238705



**cUL Classified**

Approval ID: E238705



**cUL Recognized**

Approval ID: E196811



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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27242292 |
| ECLASS-15.0 | 27242292 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC002584 |
|-----------|----------|

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## Environmental product compliance

### EU RoHS

|   |      |
|---|------|
| Fulfills EU RoHS substance requirements | Yes  |
| Exemption                               | 6(c) |

### China RoHS

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

### EU REACH SVHC

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1)                 |
| SCIP                                | 9051f591-3739-4610-8e12-3d9ee8d8f743 |

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