

# VIP-PA-4X14/26/ 2,0M/1756/040 - Front adapter



1162499

<https://www.phoenixcontact.com/us/products/1162499>

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VIP VARIOFACE front adapter, with connected system cables for ControlLogix® 1756 I/O. Up to 4 x 8 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 screw terminals on adapter for power connection

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1162499       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | C423          |
| Product key                          | DK232R        |
| GTIN                                 | 4063151172275 |
| Weight per piece (including packing) | 722 g         |
| Weight per piece (excluding packing) | 720 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 (per group, positive terminals) | ≤ 6 A     |
| Current (per group, negative terminals) | ≤ 8 A     |

Supported controller: ALLEN-BRADLEY ControlLogix

|                   |           |
|-------------------|-----------|
| Suitable I/O card | 1756-IB32 |
|-------------------|-----------|

### Connection data

#### Controller level

|                   |   |
|-------------------|---|
| Connection method | Plug-in connection                      |
| Note              | Can be plugged onto 36-pos. I/O modules |

#### Field level

|                                  |                      |
|----------------------------------|----------------------|
| Connection in acc. with standard | IEC 60603-13         |
| Connection method                | IDC/FLK socket strip |
| Number of connections            | 4                    |
| Number of positions              | 14                   |
| Pitch                            | 2.54 mm              |

#### Supply

|                                  |  |
|----------------------------------|--|
| 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  | 344.943 mm |
| Height | 47.352 mm  |
| Depth  | 56.345 mm  |

#### Cable

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|        |     |
|--------|-----|
| Length | 2 m |
|--------|-----|

## Cable/line

### 14X0.14 [PVC]

|   |  |
|---|--|
| UL AWM Style                                  | 2464/1061  |
| Number of positions                           | 14   |
| Shielded                                      | no   |
| Cable type                                    | 14X0.14 [PVC]  |
| Conductor type                                | Round cable set  |
| 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                       | 6.40 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   | 55 mm  |
| Smallest bending radius, movable installation | 104 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)<br>VDE 0842, Part 332-1-2 (raw cable)<br>IEC 60332-3-22 (raw cable)<br>UL VW-1<br>CSA FT-1 |
| Resistance to oil                             | can withstand occasional splashes (raw cable)  |
| Cable type                                    | Front adapter with splitting cable for four 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)        | ≤ 95 % (non-condensing)    |

## Standards and regulations

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

## 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



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1162499>



**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                                | 4c0270b9-fee5-46f8-b6c1-e7945911d169 |

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