

# VIP-PA-4X14/26/ 6,0M/1756/040 - Front adapter



1162504

<https://www.phoenixcontact.com/us/products/1162504>

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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                          | 1162504                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | C423                           |
| Product key                          | DK232R                         |
| GTIN                                 | 4063151172886                  |
| Weight per piece (excluding packing) | 1,648 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

|                                    |                                     |
|------------------------------------|-------------------------------------|
| Max. permissible operating voltage | 60 V DC                             |
| Max. permissible current           | 1 A (per path)                      |
|                                    | 6 A (per group, positive terminals) |
|                                    | 8 A (per group, negative terminals) |

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 mm² ... 1.5 mm²      |
| Conductor cross-section flexible | 0.14 mm² ... 1.5 mm²      |
| 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 | 6 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)                                         |
|                                               | 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 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

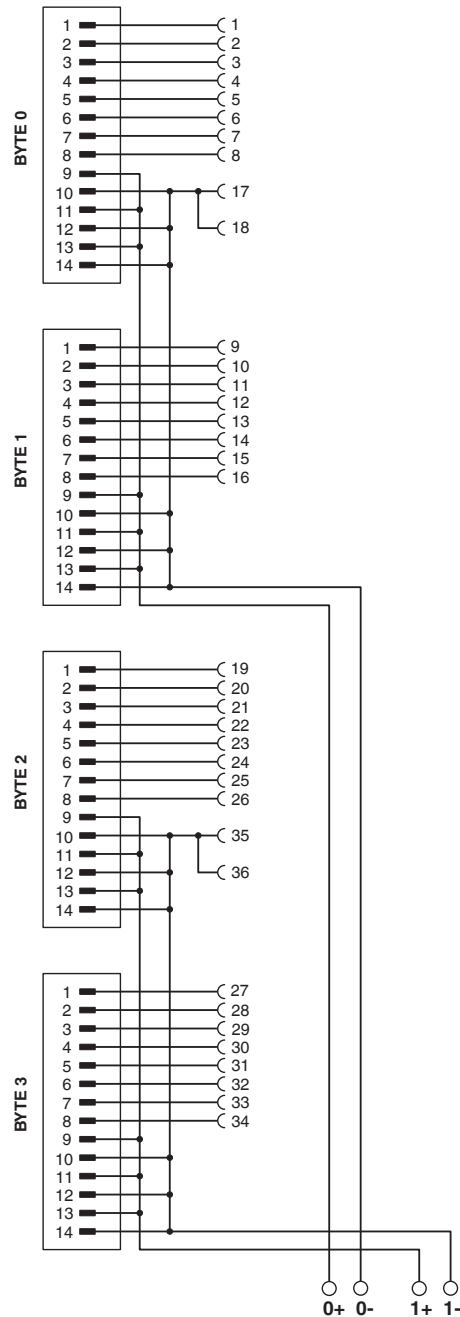
For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.

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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/1162504>



**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 9.0 | 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                                | 2f06a692-dcfe-4916-a7fc-3958ba22c28f |

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