

# VIP-PA-50/26/ 2,0M/1756/023 - Front adapter



1162481

<https://www.phoenixcontact.com/us/products/1162481>

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VIP VARIOFACE front adapter, with connected system cables for ControlLogix® 1756 I/O. Up to 1 x 8 channels can be connected.

## Your advantages

- Individual I/O modules lock to the controller for connection security
- Integrated lever aids in removal from I/O card
- Marking label can be attached
- 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                          | 1162481                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | C423                           |
| Product key                          | DK232R                         |
| GTIN                                 | 4063151171681                  |
| Weight per piece (excluding packing) | 620 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 | 25 V AC        |
|                                    | 60 V DC        |
| Max. permissible current           | 1 A (per path) |

### Supported controller ALLEN-BRADLEY ControlLogix

|                   |           |
|-------------------|-----------|
| Suitable I/O card | 1756-IF8I |
|                   | 1756-OF8I |

### Connection data

#### Controller level

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

#### Field level

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

### Dimensions

#### Item dimensions

|        |           |
|--------|-----------|
| Width  | 344.98 mm |
| Height | 68.07 mm  |
| Depth  | 56.35 mm  |

#### Cable

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

### Cable/line

#### 50X0.14 [PVC]

|                     |           |
|---------------------|-----------|
| UL AWM Style        | 2464/1061 |
| Number of positions | 50        |
| Shielded            | yes       |

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|                                               |                                                                   |
|-----------------------------------------------|-------------------------------------------------------------------|
| Cable type                                    | 50X0.14 [PVC]                                                     |
| Conductor type                                | Assembled shielded round cable                                    |
| Conductor structure signal line               | 7x 0.16 mm                                                        |
| AWG signal line                               | 26                                                                |
| Conductor cross section                       | 50x 0.14 mm <sup>2</sup>                                          |
| Wire diameter incl. insulation                | 1 mm ±0.03 mm                                                     |
| External cable diameter                       | 11.00 mm ±0.3 mm                                                  |
| Outer sheath, material                        | Semi-rigid PVC                                                    |
| External sheath, color                        | gray                                                              |
| Conductor material                            | Tin-plated Cu litz wires                                          |
| Cable resistance                              | ≤ 145 Ω/km (at 20 °C)                                             |
| Insulation resistance                         | ≥ 20 MΩ*km (20 °C)                                                |
| Smallest bending radius, fixed installation   | 114 mm                                                            |
| Smallest bending radius, movable installation | 205 mm                                                            |
| Dynamic load capacity (bending)               | Max. bending cycles: 5000 (at a radius of ≥ 18x 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 cable for one module                           |

## 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

|                    |                                                                                                                                                                                                                                                                                |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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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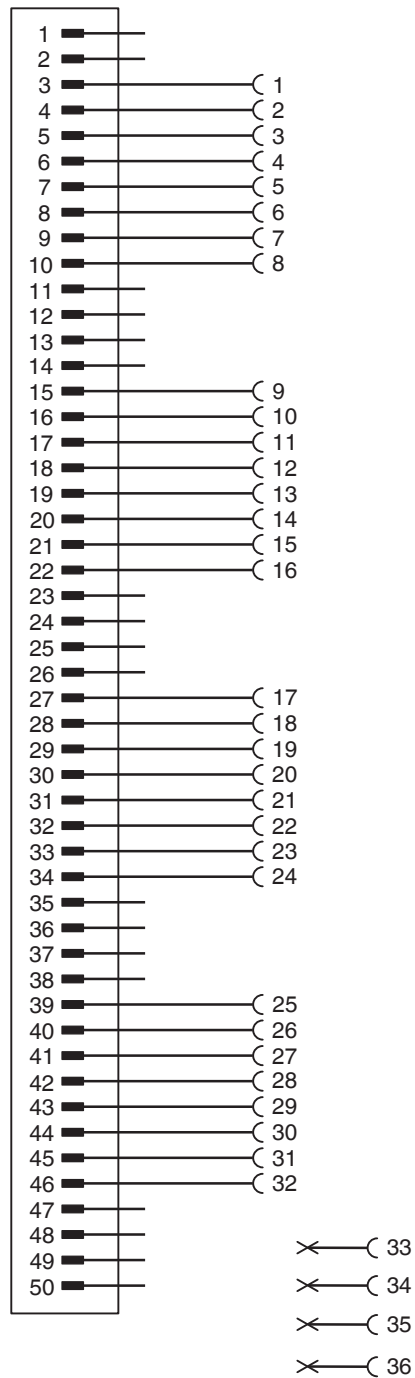


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## Drawings

Circuit diagram



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1162481>



**UL classified**

Approval ID: E238705



**cUL Classified**

Approval ID: E238705



**cUL Recognized**

Approval ID: E196811



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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                                | c413feb6-57c5-4b6a-baf2-07f2a51e443a |

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