# VIP-PA-50/26/ 4,0M/1756/022 - Front adapter

1162477

https://www.phoenixcontact.com/us/products/1162477

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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
- Integrated lever aids in removal from I/O card
- Marking label can be attached
- Pluggable screw terminals on adapter for returns
- Shield connection: UL Type AWM, Style 1007 18 AWG (0.82 mm²) cable, black, 0.5 m length

## Commercial data

| | |
|---|---|
| Item number | 1162477 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | C423 |
| Product key | DK232R |
| GTIN | 4063151171971 |
| Weight per piece (excluding packing) | 1,000 g |
| Customs tariff number | 85444290 |
| Country of origin | DE |

# 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 (Use of standard “RTN” terminals) | ≤ 8 A |

### Supported controller: ALLEN-BRADLEY ControlLogix

| | |
|---|---|
| Suitable I/O card | 1756-IF16 |
| | 1756-IF16H |
| | 1756-IF8 |

## 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 |

### Return

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

### Cable

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

## Cable/line

50X0.14 [PVC]

| | |
|---|---|
| UL AWM Style | 2464/1061 |
| Number of positions | 50 |
| Shielded | yes |
| 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 mm² |
| 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

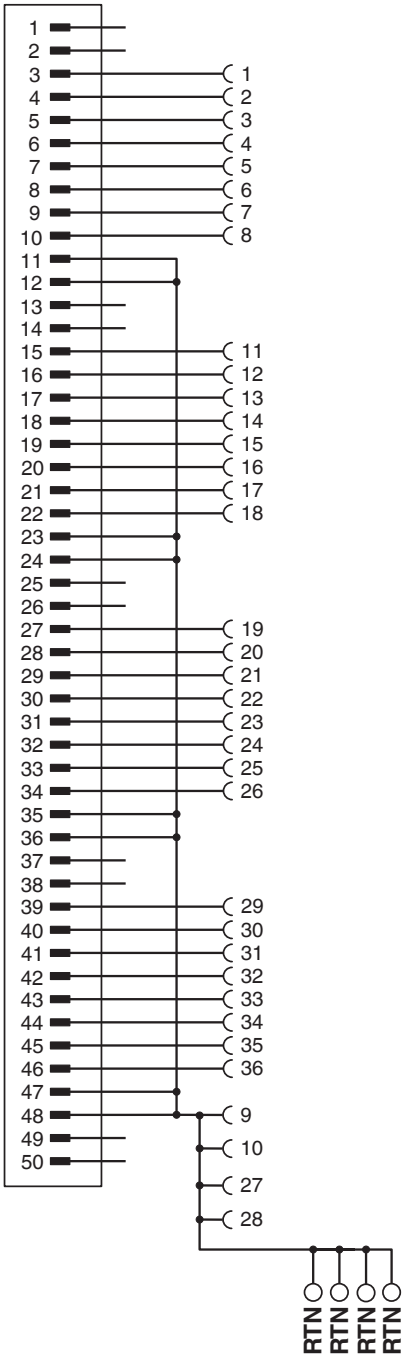
| | |
|---|---|
| Standards/regulations | UL 61010-2-201 |

## 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. |

## Drawings

Circuit diagram



## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1162477

**UL classified**
Approval ID: E238705

**cUL Classified**
Approval ID: E238705

**cUL Recognized**
Approval ID: E196811

**UL Recognized**
Approval ID: E196811

## Classifications

### ECLASS

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

### ETIM

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

## 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 | 65c1bc6f-eed7-4b3c-8d3a-d2b69a388c46 |

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