# VIP-PA-PWR/20XOE/ 2,0M/1756 - Front adapter

2908864

https://www.phoenixcontact.com/us/products/2908864

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VIP VARIOFACE front adapter, with assembled shielded round cable for ControlLogix® 1756 I/O, 1 x 20 single wires 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
- 1:1 connection
- Open end at one end
- Individual wire marking: 1, 2, 3, 4, etc.
- Individual wires fitted with ferrules
- Shield connection: UL Type AWM, Style 1007 18 AWG (0.82 mm²) cable, black, 0.5 m length

## Commercial data

| | |
|---|---|
| Item number | 2908864 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | C423 |
| Product key | DK232R |
| GTIN | 4063151467869 |
| Weight per piece (including packing) | 737.1 g |
| Weight per piece (excluding packing) | 737.1 g |
| Customs tariff number | 85444290 |
| Country of origin | US |

# Technical data

## Product properties

| | |
|---|---|
| Product type | Front adapter |

Insulation characteristics

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

## Electrical properties

| | |
|---|---|
| Operating voltage (AC/DC) | ≤ 250 V AC/DC |
| Current (per single-core wire, 60°C) | ≤ 3 A |
| Current (per single-core wire, 40°C) | ≤ 4 A |

Supported controller: ALLEN-BRADLEY ControlLogix

| | |
|---|---|
| Suitable I/O card | 1756-IA16 |
| | 1756-IB16 |
| | 1756-OA16 |
| | 1756-OA8 |
| | 1756-OB16E |
| | 1756-OB8 |
| | 1756-OF4 |
| | 1756-OF8 |
| | 1756-CFM |
| | 1756-IA8D |
| | 1756-IC16 |
| | 1756-IG16 |
| | 1756-IN16 |
| | 1756-IV16 |
| | 1756-OA8D |
| | 1756-OA8E |
| | 1756-OC8 |
| | 1756-OF8H |
| | 1756-OG16 |
| | 1756-ON8 |
| | 1756-OV16E |
| | 1756-PLS |

## Connection data

Controller level

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

Field level

| | |
|---|---|
| Connection method | Single wires |
| Number of connections | 20 |
| Number of positions | 1 |
| Note | The wires are marked and fitted with ferrules |

## Dimensions

Cable

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

## Cable/line

| | |
|---|---|
| Number of positions | 20 |
| Shielded | yes |
| Conductor type | Assembled shielded round cable |
| AWG signal line | 18 |
| Conductor cross-section | 20x 0.82 mm² |
| Wire diameter incl. insulation | 1.7 mm ±0.0254 |
| External cable diameter | 12.75 mm ±0.3 mm |
| Outer sheath, material | PVC |
| External sheath, color | gray |
| Conductor material | Tin-plated Cu litz wires |
| Cable resistance | ≤ 40 Ω/km (20 °C) |
| Insulation resistance | ≥ 20 MΩ*km (20 °C) |
| Smallest bending radius, fixed installation | 87.4 mm |
| Smallest bending radius, movable installation | 125 mm |
| Halogen-free | no |
| Flame resistance | UL VW-1 |
| | CSA FT-1 |

1X1.0 [PVC]

| | |
|---|---|
| Cable type | 1X1.0 [PVC] |
| Cable type | Front adapter with cable and 20 open cable ends |

Color code: Single-core wire

| | |
|---|---|
| black | ControlLogix® plug (1) = () |
| brown | ControlLogix® plug (2) = () |
| red | ControlLogix® plug (3) = () |
| orange | ControlLogix® plug (4) = () |
| yellow | ControlLogix® plug (5) = () |
| green | ControlLogix® plug (6) = () |
| blue | ControlLogix® plug (7) = () |
| violet | ControlLogix® plug (8) = () |
| gray | ControlLogix® plug (9) = () |
| white | ControlLogix® plug (10) = () |
| white-black | ControlLogix® plug (11) = () |
| white-brown | ControlLogix® plug (12) = () |

| | |
|---|---|
| white-red | ControlLogix® plug (13) = () |
| white-orange | ControlLogix® plug (14) = () |
| white-yellow | ControlLogix® plug (15) = () |
| white-green | ControlLogix® plug (16) = () |
| white-blue | ControlLogix® plug (17) = () |
| white-violet | ControlLogix® plug (18) = () |
| white-gray | ControlLogix® plug (19) = () |
| brown-black | ControlLogix® plug (20) = () |

## Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Degree of protection (IP20) | IP20 |
| Ambient temperature (operation) | 0 °C ... 60 °C |
| Ambient temperature (storage/transport) | -20 °C ... 70 °C |
| Altitude | < 2000 m |

## Approvals

UL data

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

## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2908864

**UL classified**
Approval ID: FILE E238705

**cUL Classified**
Approval ID: FILE E238705

**cUL Recognized**
Approval ID: FILE E196811

**UL Recognized**
Approval ID: FILE E196811

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 32151600 |

## Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |

China RoHS

| | |
|---|---|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |


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