

# VIP-PA-PWR/20XOE/ 1,0M/1756 - Front adapter



2908863

<https://www.phoenixcontact.com/us/products/2908863>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



VIP power cabling, universal front adapter with assembled shielded round cable for connection to all popular 20-pos. ControlLogix® 1756 I/O modules. 1 x 20 single wires (each ferruled and marked) can be connected (field connection, e.g., via 20 terminal blocks).

## 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 mm<sup>2</sup>) cable, black, 0.5 m length

## Commercial data

Item number	2908863
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C423
Product key	DK232R
GTIN	4063151533366
Weight per piece (including packing)	409 g
Weight per piece (excluding packing)	409 g
Customs tariff number	85444290
Country of origin	US

2908863

<https://www.phoenixcontact.com/us/products/2908863>

## 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

# VIP-PA-PWR/20XOE/ 1,0M/1756 - Front adapter



2908863

<https://www.phoenixcontact.com/us/products/2908863>

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

## Dimensions

### Cable

Length	1 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 mm <sup>2</sup>
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 <sup>®</sup> plug (1) = ()
brown	ControlLogix <sup>®</sup> plug (2) = ()
red	ControlLogix <sup>®</sup> plug (3) = ()
orange	ControlLogix <sup>®</sup> plug (4) = ()
yellow	ControlLogix <sup>®</sup> plug (5) = ()
green	ControlLogix <sup>®</sup> plug (6) = ()
violet	ControlLogix <sup>®</sup> plug (8) = ()
gray	ControlLogix <sup>®</sup> plug (9) = ()
white	ControlLogix <sup>®</sup> plug (10) = ()
white-black	ControlLogix <sup>®</sup> plug (11) = ()
white-brown	ControlLogix <sup>®</sup> plug (12) = ()
white-red	ControlLogix <sup>®</sup> plug (13) = ()

2908863

<https://www.phoenixcontact.com/us/products/2908863>

white-orange	ControlLogix <sup>®</sup> plug (14) = ()
white-yellow	ControlLogix <sup>®</sup> plug (15) = ()
white-green	ControlLogix <sup>®</sup> plug () = ()
white-blue	ControlLogix <sup>®</sup> plug () = ()
white-violet	ControlLogix <sup>®</sup> plug (18) = ()
white-gray	ControlLogix <sup>®</sup> plug (19) = ()
brown-black	ControlLogix <sup>®</sup> 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.
--------------------	--

2908863

<https://www.phoenixcontact.com/us/products/2908863>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2908863>



**UL classified**

Approval ID: FILE E238705



**cUL Classified**

Approval ID: FILE E238705



**cUL Recognized**

Approval ID: FILE E196811



**UL Recognized**

Approval ID: FILE E196811

# VIP-PA-PWR/20XOE/ 1,0M/1756 - Front adapter



2908863

<https://www.phoenixcontact.com/us/products/2908863>

## Classifications

### ECLASS

ECLASS-13.0	27242292
ECLASS-15.0	27242292

### ETIM

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

### UNSPSC

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

# VIP-PA-PWR/20XOE/ 1,0M/1756 - Front adapter



2908863

<https://www.phoenixcontact.com/us/products/2908863>

## 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%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)