

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



2908863

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

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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)., cable length: 1 m

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	2908863
Packing unit	1 pc
Minimum order quantity	1 pc
Product Key	CK2311
GTIN	4063151533366
Weight per Piece (including packing)	409 g
Weight per Piece (excluding packing)	409 g
Customs tariff number	85444290
Country of origin	US

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



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Technical Data

Product properties

Product type	Front adapter
Insulation characteristics	
Overvoltage category	II

Electrical properties

Max. permissible operating voltage	250 V AC/DC
Max. permissible current	3 A (per single wire)

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

Controller level

Connection method	Single wires
Number of connections	20

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Number of positions	1
Note	The wires are marked and fitted with ferrules

Dimensions

Length	1 m
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Cable / line

Cable length	1 m
Number of positions	20
Shielded	yes
Conductor type	Assembled shielded round cable
AWG signal line	18
Conductor cross section	20x 0.82 mm ²
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
Number of positions	20
Shielded	yes
Conductor type	Assembled shielded round cable
AWG signal line	18
Conductor cross section	20x 0.82 mm ²
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

color code

ControlLogix [®] plug (1)	() = black
ControlLogix [®] plug (2)	() = brown
ControlLogix [®] plug (3)	() = red
ControlLogix [®] plug (4)	() = orange
ControlLogix [®] plug (5)	() = yellow
ControlLogix [®] plug (6)	() = green
ControlLogix [®] plug (7)	() =
ControlLogix [®] plug (8)	() = violet
ControlLogix [®] plug (9)	() = gray
ControlLogix [®] plug (10)	() = white
ControlLogix [®] plug (11)	() = white-black
ControlLogix [®] plug (12)	() = white-brown
ControlLogix [®] plug (13)	() = white-red
ControlLogix [®] plug (14)	() = white-orange
ControlLogix [®] plug (15)	() = white-yellow
ControlLogix [®] plug ()	() = white-green
	() = white-blue
ControlLogix [®] plug (18)	() = white-violet
ControlLogix [®] plug (19)	() = white-gray
ControlLogix [®] plug (20)	() = brown-black

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

Standards/regulations	UL 61010-2-201
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Front adapters - VIP-PA-PWR/20XOE/ 1,0M/1756



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Approvals



UL Classified

Approval ID: FILE E238705



cUL Classified

Approval ID: FILE E238705



cUL Recognized

Approval ID: FILE E196811



UL Recognized

Approval ID: FILE E196811

cULus Classified

cULus Recognized

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Classifications

ECLASS

ECLASS-9.0	27242292
ECLASS-10.0.1	27242292
ECLASS-11.0	27242292

ETIM

ETIM 8.0	EC002584
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UNSPSC

UNSPSC 21.0	32151600
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Accessories

Cable marker carrier

Cable marker carrier - KME - 0807083

<https://www.phoenixcontact.com/pc/products/0807083>



Cable marker carrier, white, unlabeled, mounting type: Assembly with cable ties, cable diameter: > 5 mm, lettering field size: 20 mm x 8 mm

Screwdriver

Screwdriver - SF-SL 1,0X5,5-150 - 1212552

<https://www.phoenixcontact.com/pc/products/1212552>



Screwdriver, bladed (lasered), size: 1.0 x 5.5 x 150 mm, 2-component grip, with non-slip grip

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Zack Marker strip, flat

Zack Marker strip, flat - ZBF10:UNBEDRUCKT - 0809997

<https://www.phoenixcontact.com/pc/products/0809997>



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snapped, for terminal block width: 10 mm, lettering field size: 5.15 x 10 mm, Number of individual labels: 10

Feed-through terminal block

Feed-through terminal block - UT 2,5 - 3044076

<https://www.phoenixcontact.com/pc/products/3044076>



Feed-through terminal block, nom. voltage: 1000 V, nominal current: 24 A, connection method: Screw connection, Rated cross section: 2.5 mm², cross section: 0.14 mm² - 4 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

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Feed-through terminal block

Feed-through terminal block - PT 1,5/S - 3208100

<https://www.phoenixcontact.com/pc/products/3208100>



Feed-through terminal block, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, 1 level, Rated cross section: 1.5 mm², cross section: 0.14 mm² - 1.5 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

Feed-through terminal block

Feed-through terminal block - PT 2,5 - 3209510

<https://www.phoenixcontact.com/pc/products/3209510>



Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Push-in connection, Rated cross section: 2.5 mm², cross section: 0.14 mm² - 4 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

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



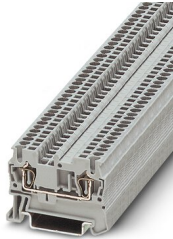
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<https://www.phoenixcontact.com/pc/products/2908863>

Feed-through terminal block

Feed-through terminal block - ST 1,5 - 3031076

<https://www.phoenixcontact.com/pc/products/3031076>

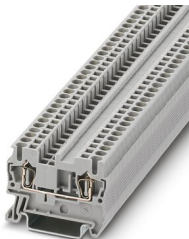


Feed-through terminal block, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Spring-cage connection, 1 level, Rated cross section: 1.5 mm², cross section: 0.08 mm² - 1.5 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

Feed-through terminal block

Feed-through terminal block - ST 2,5 - 3031212

<https://www.phoenixcontact.com/pc/products/3031212>



Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Spring-cage connection, 1 level, Rated cross section: 2.5 mm², cross section: 0.08 mm² - 4 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

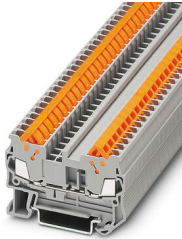
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<https://www.phoenixcontact.com/pc/products/2908863>

Fast connection terminal block

Fast connection terminal block - QTC 1,5 - 3205019

<https://www.phoenixcontact.com/pc/products/3205019>



Fast connection terminal block, nom. voltage: 800 V, nominal current: 17.5 A, connection method: Quick connection, 1 level, Rated cross section: 1.5 mm², cross section: 0.25 mm² - 1.5 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

Feed-through terminal block

Feed-through terminal block - QTC 2,5 - 3206416

<https://www.phoenixcontact.com/pc/products/3206416>



Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Quick connection, 1 level, Rated cross section: 2.5 mm², cross section: 0.5 mm² - 2.5 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

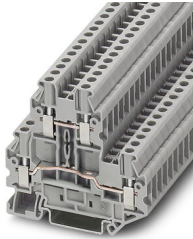
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Double-level terminal block

Double-level terminal block - UTTB 2,5 - 3044636

<https://www.phoenixcontact.com/pc/products/3044636>

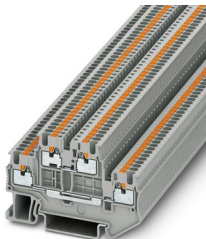


Double-level terminal block, nom. voltage: 500 V, nominal current: 24 A, connection method: Screw connection, Rated cross section: 2.5 mm², cross section: 0.14 mm² - 4 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

Double-level terminal block

Double-level terminal block - PTTB 1,5/S - 3208511

<https://www.phoenixcontact.com/pc/products/3208511>



Double-level terminal block, nom. voltage: 500 V, nominal current: 16 A, connection method: Push-in connection, 1st and 2nd level, Rated cross section: 1.5 mm², cross section: 0.14 mm² - 1.5 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

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Double-level terminal block

Double-level terminal block - PTTB 2,5 - 3210567

<https://www.phoenixcontact.com/pc/products/3210567>

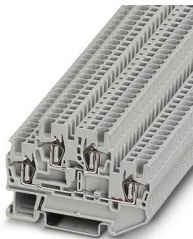


Double-level terminal block, nom. voltage: 500 V, nominal current: 22 A, connection method: Push-in connection, 1st and 2nd level, Rated cross section: 2.5 mm², cross section: 0.14 mm² - 4 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

Double-level spring-cage terminal block

Double-level spring-cage terminal block - STTB 1,5 - 3031157

<https://www.phoenixcontact.com/pc/products/3031157>



Double-level spring-cage terminal block, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Spring-cage connection, 1st and 2nd level, Rated cross section: 1.5 mm², cross section: 0.08 mm² - 1.5 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

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Double-level spring-cage terminal block

Double-level spring-cage terminal block - STTB 2,5 - 3031270

<https://www.phoenixcontact.com/pc/products/3031270>

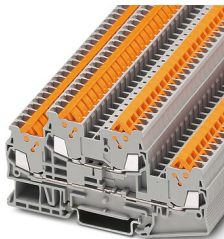


Double-level spring-cage terminal block, nom. voltage: 500 V, nominal current: 22 A, connection method: Spring-cage connection, 1st and 2nd level, Rated cross section: 2.5 mm², cross section: 0.08 mm² - 4 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

Double-level terminal block

Double-level terminal block - QTTCB 1,5 - 3205116

<https://www.phoenixcontact.com/pc/products/3205116>



Double-level terminal block, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Quick connection, 1st and 2nd level, Rated cross section: 1.5 mm², cross section: 0.25 mm² - 1.5 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

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Feed-through terminal block

Feed-through terminal block - UT 2,5-TWIN - 3044513

<https://www.phoenixcontact.com/pc/products/3044513>



Feed-through terminal block, nom. voltage: 500 V, nominal current: 24 A, connection method: Screw connection, 1 level, Rated cross section: 2.5 mm², cross section: 0.14 mm² - 4 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

Feed-through terminal block

Feed-through terminal block - PT 1,5/S-TWIN - 3208155

<https://www.phoenixcontact.com/pc/products/3208155>



Feed-through terminal block, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, 1 level, Rated cross section: 1.5 mm², cross section: 0.14 mm² - 1.5 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

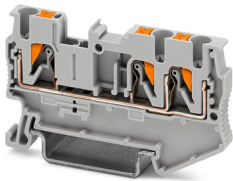
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<https://www.phoenixcontact.com/pc/products/2908863>

Feed-through terminal block

Feed-through terminal block - PT 2,5-TWIN - 3209549

<https://www.phoenixcontact.com/pc/products/3209549>

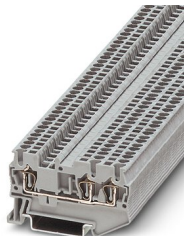


Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Push-in connection, Rated cross section: 2.5 mm², cross section: 0.14 mm² - 4 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

Feed-through terminal block

Feed-through terminal block - ST 1,5-TWIN - 3031128

<https://www.phoenixcontact.com/pc/products/3031128>



Feed-through terminal block, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Spring-cage connection, Rated cross section: 1.5 mm², cross section: 0.08 mm² - 1.5 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

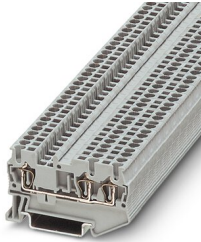
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<https://www.phoenixcontact.com/pc/products/2908863>

Feed-through terminal block

Feed-through terminal block - ST 2,5-TWIN - 3031241

<https://www.phoenixcontact.com/pc/products/3031241>

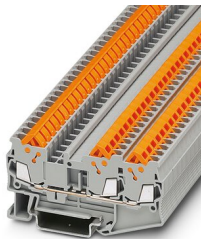


Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Spring-cage connection, Rated cross section: 2.5 mm², cross section: 0.08 mm² - 4 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

Feed-through terminal block

Feed-through terminal block - QTC 1,5-TWIN - 3205048

<https://www.phoenixcontact.com/pc/products/3205048>



Feed-through terminal block, nom. voltage: 800 V, nominal current: 17.5 A, connection method: Quick connection, 1 level, Rated cross section: 1.5 mm², cross section: 0.25 mm² - 1.5 mm², mounting type: NS 35/7,5, NS 35/7,5, color: gray

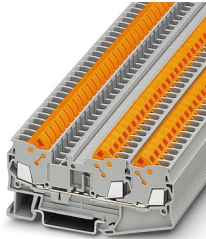
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<https://www.phoenixcontact.com/pc/products/2908863>

Feed-through terminal block

Feed-through terminal block - QTC 2,5-TWIN - 3206445

<https://www.phoenixcontact.com/pc/products/3206445>

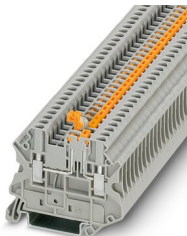


Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Quick connection, 1 level, Rated cross section: 2.5 mm², cross section: 0.5 mm² - 2.5 mm², mounting type: NS 35/7,5, NS 35/7,5, color: gray

Knife disconnect terminal block

Knife disconnect terminal block - UT 2,5-MT - 3046362

<https://www.phoenixcontact.com/pc/products/3046362>



Knife disconnect terminal block, nom. voltage: 400 V, nominal current: 20 A, Thermal continuous current I_{th} : 20 A, connection method: Screw connection, Rated cross section: 2.5 mm², cross section: 0.14 mm² - 4 mm², mounting: NS 35/7,5, NS 35/15, color: gray

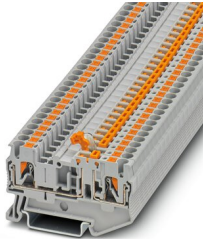
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<https://www.phoenixcontact.com/pc/products/2908863>

Knife disconnect terminal block

Knife disconnect terminal block - PT 2,5-MT - 3210156

<https://www.phoenixcontact.com/pc/products/3210156>

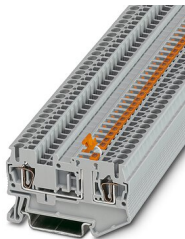


Knife disconnect terminal block, nom. voltage: 400 V, nominal current: 20 A, connection method: Push-in connection, Rated cross section: 2.5 mm², cross section: 0.14 mm² - 4 mm², mounting: NS 35/7,5, NS 35/15, color: gray

Knife disconnect terminal block

Knife disconnect terminal block - ST 2,5-MT - 3036343

<https://www.phoenixcontact.com/pc/products/3036343>



Knife disconnect terminal block, nom. voltage: 400 V, nominal current: 20 A, 1 level, connection method: Spring-cage connection, Rated cross section: 2.5 mm², cross section: 0.08 mm² - 4 mm², mounting: NS 35/7,5, NS 35/15, color: gray

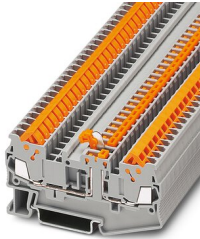
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<https://www.phoenixcontact.com/pc/products/2908863>

Knife disconnect terminal block

Knife disconnect terminal block - QTC 1,5-MT - 3205103

<https://www.phoenixcontact.com/pc/products/3205103>

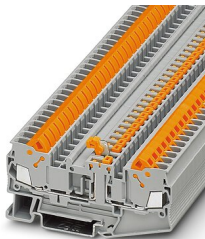


Knife disconnect terminal block, nom. voltage: 400 V, nominal current: 17.5 A, 1 level, connection method: Quick connection, Rated cross section: 1.5 mm², cross section: 0.25 mm² - 1.5 mm², mounting: NS 35/7,5, NS 35/15, color: gray

Knife disconnect terminal block

Knife disconnect terminal block - QTC 2,5-MT - 3206487

<https://www.phoenixcontact.com/pc/products/3206487>



Knife disconnect terminal block, nom. voltage: 400 V, nominal current: 20 A, 1 level, connection method: Quick connection, Rated cross section: 2.5 mm², cross section: 0.5 mm² - 2.5 mm², mounting: NS 35/7,5, NS 35/15, color: gray

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Front adapters - VIP-PA-PWR/36XOE/ 1,0M/1756



2908859

<https://www.phoenixcontact.com/pc/products/2908859>

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VIP power cabling, universal front adapter with assembled shielded round cable for connection to all popular 36-pos. ControlLogix® 1756 I/O modules. 1 x 36 single wires (each ferruled and marked) can be connected (field connection, e.g., via 36 terminal blocks)., cable length: 1 m

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	2908859
Packing unit	1 pc
Minimum order quantity	1 pc
Product Key	CK2311
GTIN	4063151467876
Weight per Piece (including packing)	590 g
Weight per Piece (excluding packing)	590 g
Customs tariff number	85444290
Country of origin	US

Front adapters - VIP-PA-PWR/36XOE/ 1,0M/1756



2908859

<https://www.phoenixcontact.com/pc/products/2908859>

Technical Data

Product properties

Product type	Front adapter
Insulation characteristics	
Overvoltage category	II

Electrical properties

Max. permissible operating voltage	250 V AC/DC
Max. permissible current	3 A (per single wire)

Supported controller ALLEN-BRADLEY ControlLogix

Suitable I/O card	1756-IB16D
	1756-IB16I
	1756-IB32
	1756-IF16
	1756-IF8
	1756-IF8I
	1756-IRT8I
	1756-OB16D
	1756-OB16I
	1756-OB32
	1756-HSC
	1756-IA16I
	1756-IA32
	1756-IB16IF
	1756-IB16ISOE
	1756-IF16H
	1756-IF4FXOF2F
	1756-IF8H
	1756-IF8IH
	1756-IH16I
	1756-IH16ISOE
	1756-IM16I
	1756-IR12
	1756-IT16
	1756-IV32
	1756-LSC8XIB8I
	1756-OA16I
	1756-OB16IEF
	1756-OB16IEFS
	1756-OB16IS
	1756-OB8EI

Front adapters - VIP-PA-PWR/36XOE/ 1,0M/1756



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<https://www.phoenixcontact.com/pc/products/2908859>

	1756-OF8I
	1756-OF8IH
	1756-OH8I
	1756-OV32E
	1756-OW16I
	1756-OX8I

Connection data

Controller level

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

Controller level

Connection method	Single wires
Number of connections	36
Number of positions	1
Note	The wires are marked and fitted with ferrules

Dimensions

Length	1 m
--------	-----

Cable / line

Cable length	1 m
Number of positions	36
Shielded	yes
Conductor type	Assembled shielded round cable
AWG signal line	18
Conductor cross section	36x 0.82 mm ²
Wire diameter incl. insulation	1.7 mm ±0.0254
External cable diameter	15.88 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	109.5 mm
Smallest bending radius, movable installation	156.2 mm
Halogen-free	no
Flame resistance	UL VW-1 CSA FT-1
Number of positions	36
Shielded	yes
Conductor type	Assembled shielded round cable
AWG signal line	18

Front adapters - VIP-PA-PWR/36XOE/ 1,0M/1756



2908859

<https://www.phoenixcontact.com/pc/products/2908859>

Conductor cross section	36x 0.82 mm ²
Wire diameter incl. insulation	1.7 mm ±0.0254
External cable diameter	15.88 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	109.5 mm
Smallest bending radius, movable installation	156.2 mm
Halogen-free	no
Flame resistance	UL VW-1
	CSA FT-1

color code

ControlLogix [□] plug (1)	() = black
ControlLogix [□] plug (2)	() = brown
ControlLogix [□] plug (3)	() = red
ControlLogix [□] plug (4)	() = orange
ControlLogix [□] plug (5)	() = yellow
ControlLogix [□] plug (6)	() = green
ControlLogix [□] plug (7)	() = blue
ControlLogix [□] plug (8)	() = violet
ControlLogix [□] plug (9)	() = gray
ControlLogix [□] plug (10)	() = white
ControlLogix [□] plug (11)	() = white-black
ControlLogix [□] plug (12)	() = white-brown
ControlLogix [□] plug (13)	() = white-red
ControlLogix [□] plug (14)	() = white-orange
ControlLogix [□] plug (15)	() = white-yellow
ControlLogix [□] plug (16)	() = white-green
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ControlLogix [□] plug (18)	() = white-violet
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ControlLogix [□] plug (20)	() = brown-black
ControlLogix [□] plug (21)	() = brown-red
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ControlLogix [□] plug (23)	() = brown-yellow
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ControlLogix [□] plug (26)	() = brown-violet
ControlLogix [□] plug (27)	() = brown-gray
ControlLogix [□] plug (28)	() = brown-white
ControlLogix [□] plug (29)	() = green-black

Front adapters - VIP-PA-PWR/36XOE/ 1,0M/1756



2908859

<https://www.phoenixcontact.com/pc/products/2908859>

ControlLogix [□] plug (30)	() = green-brown
ControlLogix [□] plug (31)	() = green-red
ControlLogix [□] plug (32)	() = green-orange
ControlLogix [□] plug (33)	() = green-blue
ControlLogix [□] plug (34)	() = green-violet
ControlLogix [□] plug (35)	() = green-gray
ControlLogix [□] plug (36)	() = green-white

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

Standards/regulations	UL 61010-2-201
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Front adapters - VIP-PA-PWR/36XOE/ 2,0M/1756



2908860

<https://www.phoenixcontact.com/pc/products/2908860>

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VIP VARIOFACE front adapter, with assembled shielded round cable for ControlLogix® 1756 I/O,
1 x 36 single wires can be connected, cable length: 2 m

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	2908860
Packing unit	1 pc
Minimum order quantity	1 pc
Product Key	CK2311
GTIN	4063151467883
Weight per Piece (including packing)	1,096 g
Weight per Piece (excluding packing)	1,096 g
Customs tariff number	85444290
Country of origin	US

Front adapters - VIP-PA-PWR/36XOE/ 2,0M/1756



2908860

<https://www.phoenixcontact.com/pc/products/2908860>

Technical Data

Product properties

Product type	Front adapter
Insulation characteristics	
Overvoltage category	II

Electrical properties

Max. permissible operating voltage	250 V AC/DC
Max. permissible current	3 A (per single wire)

Supported controller ALLEN-BRADLEY ControlLogix

Suitable I/O card	1756-IB16D
	1756-IB16I
	1756-IB32
	1756-IF16
	1756-IF8
	1756-IF8I
	1756-IRT8I
	1756-OB16D
	1756-OB16I
	1756-OB32
	1756-HSC
	1756-IA16I
	1756-IA32
	1756-IB16IF
	1756-IB16ISOE
	1756-IF16H
	1756-IF4FXOF2F
	1756-IF8H
	1756-IF8IH
	1756-IH16I
	1756-IH16ISOE
	1756-IM16I
	1756-IR12
	1756-IT16
	1756-IV32
	1756-LSC8XIB8I
	1756-OA16I
	1756-OB16IEF
	1756-OB16IEFS
	1756-OB16IS
	1756-OB8EI

Front adapters - VIP-PA-PWR/36XOE/ 2,0M/1756



2908860

<https://www.phoenixcontact.com/pc/products/2908860>

	1756-OF8I
	1756-OF8IH
	1756-OH8I
	1756-OV32E
	1756-OW16I
	1756-OX8I

Connection data

Controller level

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

Controller level

Connection method	Single wires
Number of connections	36
Number of positions	1
Note	The wires are marked and fitted with ferrules

Dimensions

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

Cable / line

Cable length	2 m
Number of positions	36
Shielded	yes
Conductor type	Assembled shielded round cable
AWG signal line	18
Conductor cross section	36x 0.82 mm ²
Wire diameter incl. insulation	1.7 mm ±0.0254
External cable diameter	15.88 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	109.5 mm
Smallest bending radius, movable installation	156.2 mm
Halogen-free	no
Flame resistance	UL VW-1 CSA FT-1
Number of positions	36
Shielded	yes
Conductor type	Assembled shielded round cable
AWG signal line	18

Front adapters - VIP-PA-PWR/36XOE/ 2,0M/1756



2908860

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Conductor cross section	36x 0.82 mm ²
Wire diameter incl. insulation	1.7 mm ±0.0254
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Smallest bending radius, fixed installation	109.5 mm
Smallest bending radius, movable installation	156.2 mm
Halogen-free	no
Flame resistance	UL VW-1
	CSA FT-1

color code

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Front adapters - VIP-PA-PWR/36XOE/ 2,0M/1756



2908860

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ControlLogix [□] plug (30)	() = green-brown
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ControlLogix [□] plug (34)	() = green-violet
ControlLogix [□] plug (35)	() = green-gray
ControlLogix [□] plug (36)	() = green-white

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

Standards/regulations	UL 61010-2-201
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Front adapters - VIP-PA-PWR/36XOE/ 4,0M/1756



2908861

<https://www.phoenixcontact.com/pc/products/2908861>

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VIP VARIOFACE front adapter, with assembled shielded round cable for ControlLogix® 1756 I/O, 1 x 36 single wires can be connected, cable length: 4 m

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	2908861
Packing unit	1 pc
Minimum order quantity	1 pc
Product Key	CK2311
GTIN	4063151467890
Weight per Piece (including packing)	2,088 g
Weight per Piece (excluding packing)	2,088 g
Customs tariff number	85444290
Country of origin	US

Front adapters - VIP-PA-PWR/36XOE/ 4,0M/1756



2908861

<https://www.phoenixcontact.com/pc/products/2908861>

Technical Data

Product properties

Product type	Front adapter
Insulation characteristics	
Overvoltage category	II

Electrical properties

Max. permissible operating voltage	250 V AC/DC
Max. permissible current	3 A (per single wire)

Supported controller ALLEN-BRADLEY ControlLogix

Suitable I/O card	1756-IB16D
	1756-IB16I
	1756-IB32
	1756-IF16
	1756-IF8
	1756-IF8I
	1756-IRT8I
	1756-OB16D
	1756-OB16I
	1756-OB32
	1756-HSC
	1756-IA16I
	1756-IA32
	1756-IB16IF
	1756-IB16ISOE
	1756-IF16H
	1756-IF4FXOF2F
	1756-IF8H
	1756-IF8IH
	1756-IH16I
	1756-IH16ISOE
	1756-IM16I
	1756-IR12
	1756-IT16
	1756-IV32
	1756-LSC8XIB8I
	1756-OA16I
	1756-OB16IEF
	1756-OB16IEFS
	1756-OB16IS
	1756-OB8EI

Front adapters - VIP-PA-PWR/36XOE/ 4,0M/1756



2908861

<https://www.phoenixcontact.com/pc/products/2908861>

	1756-OF8I
	1756-OF8IH
	1756-OH8I
	1756-OV32E
	1756-OW16I
	1756-OX8I

Connection data

Controller level

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

Controller level

Connection method	Single wires
Number of connections	36
Number of positions	1
Note	The wires are marked and fitted with ferrules

Dimensions

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

Cable / line

Cable length	4 m
Number of positions	36
Shielded	yes
Conductor type	Assembled shielded round cable
AWG signal line	18
Conductor cross section	36x 0.82 mm ²
Wire diameter incl. insulation	1.7 mm ±0.0254
External cable diameter	15.88 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	109.5 mm
Smallest bending radius, movable installation	156.2 mm
Halogen-free	no
Flame resistance	UL VW-1 CSA FT-1
Number of positions	36
Shielded	yes
Conductor type	Assembled shielded round cable
AWG signal line	18

Front adapters - VIP-PA-PWR/36XOE/ 4,0M/1756



2908861

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Conductor cross section	36x 0.82 mm ²
Wire diameter incl. insulation	1.7 mm ±0.0254
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Smallest bending radius, fixed installation	109.5 mm
Smallest bending radius, movable installation	156.2 mm
Halogen-free	no
Flame resistance	UL VW-1
	CSA FT-1

color code

ControlLogix [□] plug (1)	() = black
ControlLogix [□] plug (2)	() = brown
ControlLogix [□] plug (3)	() = red
ControlLogix [□] plug (4)	() = orange
ControlLogix [□] plug (5)	() = yellow
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Front adapters - VIP-PA-PWR/36XOE/ 4,0M/1756



2908861

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ControlLogix [□] plug (30)	() = green-brown
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ControlLogix [□] plug (34)	() = green-violet
ControlLogix [□] plug (35)	() = green-gray
ControlLogix [□] plug (36)	() = green-white

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

Standards/regulations	UL 61010-2-201
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Front adapters - VIP-PA-PWR/36XOE/ 6,0M/1756



2908862

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VIP VARIOFACE front adapter, with assembled shielded round cable for ControlLogix® 1756 I/O, 1 x 36 single wires can be connected, cable length: 6 m

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	2908862
Packing unit	1 pc
Minimum order quantity	1 pc
Product Key	CK2311
GTIN	4063151468408
Weight per Piece (including packing)	3,042 g
Weight per Piece (excluding packing)	3,042 g
Customs tariff number	85444290
Country of origin	US

Front adapters - VIP-PA-PWR/36XOE/ 6,0M/1756



2908862

<https://www.phoenixcontact.com/pc/products/2908862>

Technical Data

Product properties

Product type	Front adapter
Insulation characteristics	
Overvoltage category	II

Electrical properties

Max. permissible operating voltage	250 V AC/DC
Max. permissible current	3 A (per single wire)

Supported controller ALLEN-BRADLEY ControlLogix

Suitable I/O card	1756-IB16D
	1756-IB16I
	1756-IB32
	1756-IF16
	1756-IF8
	1756-IF8I
	1756-IRT8I
	1756-OB16D
	1756-OB16I
	1756-OB32
	1756-HSC
	1756-IA16I
	1756-IA32
	1756-IB16IF
	1756-IB16ISOE
	1756-IF16H
	1756-IF4FXOF2F
	1756-IF8H
	1756-IF8IH
	1756-IH16I
	1756-IH16ISOE
	1756-IM16I
	1756-IR12
	1756-IT16
	1756-IV32
	1756-LSC8XIB8I
	1756-OA16I
	1756-OB16IEF
	1756-OB16IEFS
	1756-OB16IS
	1756-OB8EI

Front adapters - VIP-PA-PWR/36XOE/ 6,0M/1756



2908862

<https://www.phoenixcontact.com/pc/products/2908862>

	1756-OF8I
	1756-OF8IH
	1756-OH8I
	1756-OV32E
	1756-OW16I
	1756-OX8I

Connection data

Controller level

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

Controller level

Connection method	Single wires
Number of connections	36
Number of positions	1
Note	The wires are marked and fitted with ferrules

Dimensions

Length	6 m
--------	-----

Cable / line

Cable length	6 m
Number of positions	36
Shielded	yes
Conductor type	Assembled shielded round cable
AWG signal line	18
Conductor cross section	36x 0.82 mm ²
Wire diameter incl. insulation	1.7 mm ±0.0254
External cable diameter	15.88 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	109.5 mm
Smallest bending radius, movable installation	156.2 mm
Halogen-free	no
Flame resistance	UL VW-1 CSA FT-1
Number of positions	36
Shielded	yes
Conductor type	Assembled shielded round cable
AWG signal line	18

Front adapters - VIP-PA-PWR/36XOE/ 6,0M/1756



2908862

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Conductor cross section	36x 0.82 mm ²
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Smallest bending radius, fixed installation	109.5 mm
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Halogen-free	no
Flame resistance	UL VW-1
	CSA FT-1

color code

ControlLogix [□] plug (1)	() = black
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Front adapters - VIP-PA-PWR/36XOE/ 6,0M/1756



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ControlLogix [□] plug (34)	() = green-violet
ControlLogix [□] plug (35)	() = green-gray
ControlLogix [□] plug (36)	() = green-white

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

Standards/regulations	UL 61010-2-201
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Front adapters - VIP-PA-PWR/20XOE/ 2,0M/1756



2908864

<https://www.phoenixcontact.com/pc/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, cable length: 2 m

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
Product Key	CK2311
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

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



2908864

<https://www.phoenixcontact.com/pc/products/2908864>

Technical Data

Product properties

Product type	Front adapter
Insulation characteristics	
Overvoltage category	II

Electrical properties

Max. permissible operating voltage	250 V AC/DC
Max. permissible current	3 A (per single wire)

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

Controller level

Connection method	Single wires
Number of connections	20

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



2908864

<https://www.phoenixcontact.com/pc/products/2908864>

Number of positions	1
Note	The wires are marked and fitted with ferrules

Dimensions

Length	2 m
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Cable / line

Cable length	2 m
Number of positions	20
Shielded	yes
Conductor type	Assembled shielded round cable
AWG signal line	18
Conductor cross section	20x 0.82 mm ²
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
Number of positions	20
Shielded	yes
Conductor type	Assembled shielded round cable
AWG signal line	18
Conductor cross section	20x 0.82 mm ²
Wire diameter incl. insulation	1.7 mm ±0.0254
External cable diameter	12.75 mm ±0.3 mm
Outer sheath, material	PVC
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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

color code

ControlLogix [□] plug (1)	() = black
ControlLogix [□] plug (2)	() = brown
ControlLogix [□] plug (3)	() = red
ControlLogix [□] plug (4)	() = orange
ControlLogix [□] plug (5)	() = yellow
ControlLogix [□] plug (6)	() = green
ControlLogix [□] plug (7)	() = blue
ControlLogix [□] plug (8)	() = violet
ControlLogix [□] plug (9)	() = gray
ControlLogix [□] plug (10)	() = white
ControlLogix [□] plug (11)	() = white-black
ControlLogix [□] plug (12)	() = white-brown
ControlLogix [□] plug (13)	() = white-red
ControlLogix [□] plug (14)	() = white-orange
ControlLogix [□] plug (15)	() = white-yellow
ControlLogix [□] plug (16)	() = white-green
ControlLogix [□] plug (17)	() = white-blue
ControlLogix [□] plug (18)	() = white-violet
ControlLogix [□] plug (19)	() = white-gray
ControlLogix [□] plug (20)	() = brown-black

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

Standards/regulations	UL 61010-2-201
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Front adapters - VIP-PA-PWR/20XOE/ 4,0M/1756



2908865

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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, cable length: 4 m

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	2908865
Packing unit	1 pc
Minimum order quantity	1 pc
Product Key	CK2311
GTIN	4063151465865
Weight per Piece (including packing)	1,374 g
Weight per Piece (excluding packing)	1,374 g
Customs tariff number	85444290
Country of origin	US

Front adapters - VIP-PA-PWR/20XOE/ 4,0M/1756



2908865

<https://www.phoenixcontact.com/pc/products/2908865>

Technical Data

Product properties

Product type	Front adapter
Insulation characteristics	
Overvoltage category	II

Electrical properties

Max. permissible operating voltage	250 V AC/DC
Max. permissible current	3 A (per single wire)

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

Controller level

Connection method	Single wires
Number of connections	20

Front adapters - VIP-PA-PWR/20XOE/ 4,0M/1756



2908865

<https://www.phoenixcontact.com/pc/products/2908865>

Number of positions	1
Note	The wires are marked and fitted with ferrules

Dimensions

Length	4 m
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Cable / line

Cable length	4 m
Number of positions	20
Shielded	yes
Conductor type	Assembled shielded round cable
AWG signal line	18
Conductor cross section	20x 0.82 mm ²
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
Number of positions	20
Shielded	yes
Conductor type	Assembled shielded round cable
AWG signal line	18
Conductor cross section	20x 0.82 mm ²
Wire diameter incl. insulation	1.7 mm ±0.0254
External cable diameter	12.75 mm ±0.3 mm
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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

color code

ControlLogix [□] plug (1)	() = black
ControlLogix [□] plug (2)	() = brown
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ControlLogix [□] plug (18)	() = white-violet
ControlLogix [□] plug (19)	() = white-gray
ControlLogix [□] plug (20)	() = brown-black

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

Standards/regulations	UL 61010-2-201
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Front adapters - VIP-PA-PWR/20XOE/ 6,0M/1756



2908866

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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, cable length: 6 m

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	2908866
Packing unit	1 pc
Minimum order quantity	1 pc
Product Key	CK2311
GTIN	4063151468415
Weight per Piece (including packing)	1,974 g
Weight per Piece (excluding packing)	1,794 g
Customs tariff number	85444290
Country of origin	US

Front adapters - VIP-PA-PWR/20XOE/ 6,0M/1756



2908866

<https://www.phoenixcontact.com/pc/products/2908866>

Technical Data

Product properties

Product type	Front adapter
Insulation characteristics	
Overvoltage category	II

Electrical properties

Max. permissible operating voltage	250 V AC/DC
Max. permissible current	3 A (per single wire)

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

Controller level

Connection method	Single wires
Number of connections	20

Front adapters - VIP-PA-PWR/20XOE/ 6,0M/1756



2908866

<https://www.phoenixcontact.com/pc/products/2908866>

Number of positions	1
Note	The wires are marked and fitted with ferrules

Dimensions

Length	6 m
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Cable / line

Cable length	6 m
Number of positions	20
Shielded	yes
Conductor type	Assembled shielded round cable
AWG signal line	18
Conductor cross section	20x 0.82 mm ²
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
Number of positions	20
Shielded	yes
Conductor type	Assembled shielded round cable
AWG signal line	18
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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

color code

ControlLogix [□] plug (1)	() = black
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ControlLogix [□] plug (19)	() = white-gray
ControlLogix [□] plug (20)	() = brown-black

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

Standards/regulations	UL 61010-2-201
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