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

2908859

https://www.phoenixcontact.com/us/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).

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
Sales key	C423
Product key	DK232R
GTIN	4063151467876
Weight per piece (including packing)	590 g
Weight per piece (excluding packing)	590 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-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
	1756-OF8I
	1756-OF8IH
	1756-OH8I
	1756-OV32E
	1756-OW16I
	1756-OX8I
	1756-IF16IH

Connection data

Controller level

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

Field level

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

Dimensions

Cable

Length	1 m

Cable/line

Number of positions	36
Shielded	yes
Conductor type	Assembled shielded round cable
AWG signal line	18
Conductor cross-section	36x 0.82 mm²
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

1X1.0 [PVC]

Cable type	1X1.0 [PVC]
Cable type	Front adapter with cable and 36 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) = ()
brown-red	ControlLogix® plug (21) = ()
brown-orange	ControlLogix® plug (22) = ()
brown-yellow	ControlLogix® plug (23) = ()
brown-green	ControlLogix® plug (24) = ()
brown-blue	ControlLogix® plug (25) = ()
brown-violet	ControlLogix® plug (26) = ()
brown-gray	ControlLogix® plug (27) = ()
brown-white	ControlLogix® plug (28) = ()
green-black	ControlLogix® plug (29) = ()
green-brown	ControlLogix® plug (30) = ()
green-red	ControlLogix® plug (31) = ()
green-orange	ControlLogix® plug (32) = ()
green-blue	ControlLogix® plug (33) = ()
green-violet	ControlLogix® plug (34) = ()
green-gray	ControlLogix® plug (35) = ()
green-white	ControlLogix® plug (36) = ()

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/2908859

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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