

Front adapters - VIP-PA-PWR/2X10COMBI/ 2,5M/S7 - 2904717

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VIP power cabling, universal front adapter for connecting all common 20-pos. SIMATIC S7-300 I/O modules, via two cables each with a 10-pos. COMBI connector, pitch: 5.2 mm, cable length: 2.5 m

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356881838

Technical data

Ambient conditions

Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 80 °C
Degree of protection	IP20

General

Max. permissible operating voltage	250 V AC/DC
Max. permissible current	6 A (per single wire at 40°C) 4 A (per single wire at 60°C)
Max. permissible total current	20 A (per cable at 40 °C) 16 A (per cable at 60°C)
Mounting position	any
Nominal operating mode	100% operating factor

Standards and Regulations

Connection in acc. with standard	CUL
Standards/regulations	DIN EN 50178 IEC 60664
Rated insulation voltage	260 V
Rated surge voltage	4 kV

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Technical data

Standards and Regulations

Insulation	Basic insulation
Overvoltage category	III

Connection data

Connection name	Controller level
Connection method	Plug connection
Note	Can be plugged onto 20-pos. I/O modules

Connection data 2

Connection name	Field level
Connection method	COMBICON connectors
Number of connections	2
Number of positions	10
Pitch	5.2 mm

Cable

Conductor construction: Number of litz wires:	16
Single wire, material	Cu uninsulated
Single wire, cross section	0.5 mm ²
External diameter	9 mm
Length of cable	2.5 m
Max. conductor resistance	≤ 39 Ω/km

Supported controller

Controller	SIEMENS S7-300 / ET 200 M
- suitable I/O card	6ES7 321-1BH02-0AA0
	6ES7 321-1BH10-0AA0
	6ES7 321-7BH01-0AB0
	6ES7 321-1BH50-0AA0
	6ES7 321-1CH20-0AA0
	6ES7 321-1FH00-0AA0
	6ES7 321-1FF01-0AA0
	6ES7 322-1FL00-0AA0
	6ES7 322-1BH01-0AA0
	6ES7 322-1BH10-0AA0
	6ES7 322-1FH00-0AA0
	6ES7 322-1BF01-0AA0
	6ES7 322-8BF00-0AB0
	6ES7 322-1CF00-0AA0
	6ES7 322-1FF01-0AA0
	6ES7 322-1HH01-0AA0
	6ES7 322-1HF01-0AA0
	6ES7 323-1BH01-0AA0

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Technical data

Supported controller

	6ES7 327-1BH00-0AB0
	6ES7 331-7HF01-0AB0
	6ES7 331-7KF02-0AB0
	6ES7 331-7KB02-0AB0
	6ES7 332-7ND02-0AB0
	6ES7 332-5HD01-0AB0
	6ES7 332-5HB01-0AB0
	6ES7 334-0CE01-0AA0
	6ES7 334-0KE00-0AB0
	6ES7 331-7TF01-0AB0
	6ES7 332-8TF01-0AB0
	6ES7 336-4GE00-0AB0

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

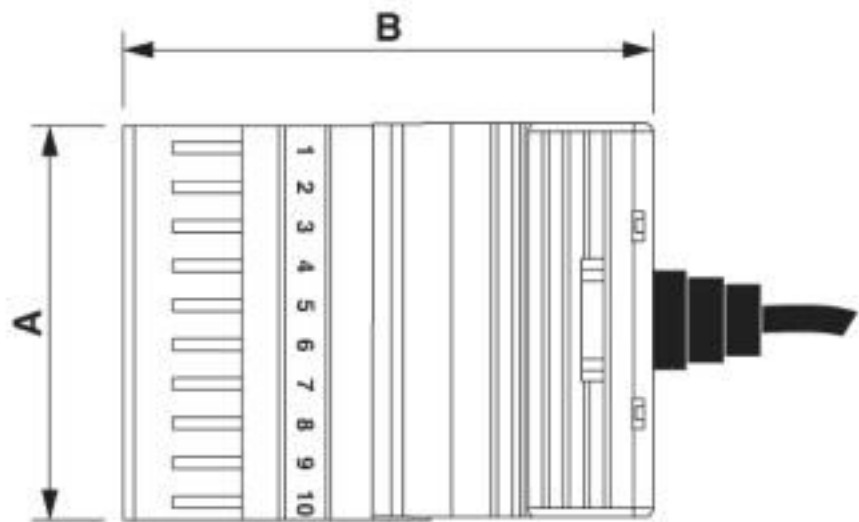
Front adapters - VIP-PA-PWR/2X10COMBI/ 2,5M/S7 - 2904717

Connection diagram

Pin S7-300	Wire color	PIN COMBI	
1	White	1	
2	brown	2	
3	green	3	
4	yellow	4	
5	gray	5	
6	pink	6	
7	blue	7	
8	red	8	
9	black	9	
10	violet	10	Plug 1
11	white	11	
12	brown	12	
13	green	13	
14	yellow	14	
15	gray	15	
16	pink	16	
17	blue	17	
18	red	18	
19	black	19	
20	violet	20	Plug 2

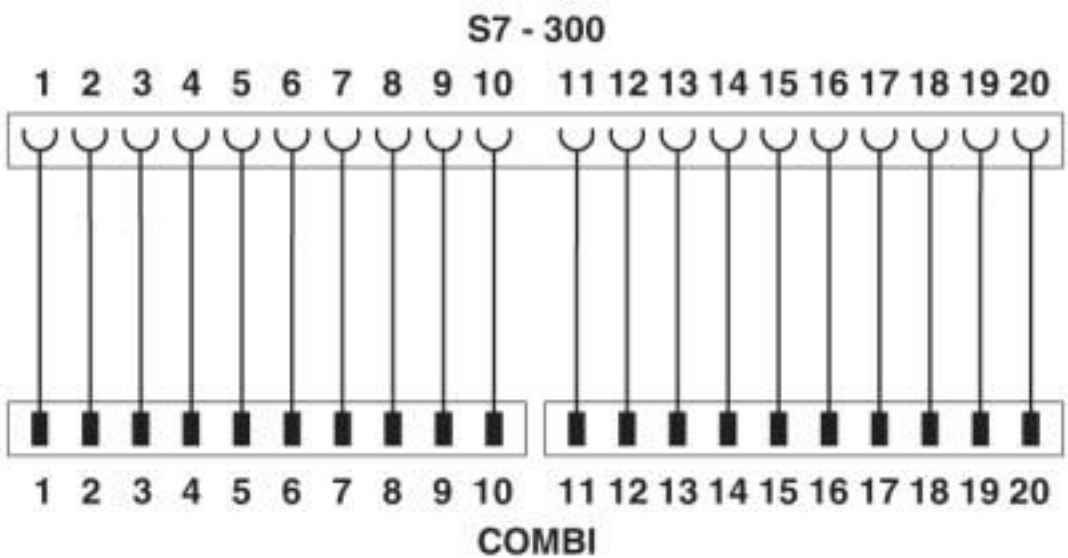
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Dimensional drawing



	A	B
...4X10COMBI...	52	70
...2X10COMBI...		
...4X10 PT...	35	62
...2X10 PT...		

Circuit diagram



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Classifications

eCl@ss

eCl@ss 10.0.1	27242292
eCl@ss 4.0	27060300
eCl@ss 4.1	27060300
eCl@ss 5.0	27061800
eCl@ss 5.1	27061800
eCl@ss 6.0	27249200
eCl@ss 7.0	27249290
eCl@ss 8.0	27249290
eCl@ss 9.0	27242292

ETIM

ETIM 4.0	EC002584
ETIM 5.0	EC002584
ETIM 6.0	EC002584
ETIM 7.0	EC002584

UNSPSC

UNSPSC 6.01	26121620
UNSPSC 7.0901	26121620
UNSPSC 11	26121620
UNSPSC 12.01	26121620
UNSPSC 13.2	32151601
UNSPSC 18.0	32151601
UNSPSC 19.0	32151601
UNSPSC 20.0	32151601
UNSPSC 21.0	32151601

Approvals

Approvals

Approvals

CSA / UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

Front adapters - VIP-PA-PWR/2X10COMBI/ 2,5M/S7 - 2904717

Approvals

CSA		http://www.csagroup.org/services-industries/product-listing/	70019651
Nominal voltage UN		250 V	
Nominal current IN		6 A	

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
Nominal voltage UN		250 V	
Nominal current IN		6 A	

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
Nominal voltage UN		250 V	
Nominal current IN		6 A	

EAC			RU C- DE.A*30.B00767
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cULus Recognized			
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Accessories

Accessories

Disconnect terminal block

Knife disconnect terminal block - ST 2,5-TWIN-MT/1P - 3040766



Knife disconnect terminal block, nom. voltage: 400 V, nominal current: 20 A, connection method: Spring-cage/plug-in connection, cross section: 0.08 mm² - 4 mm², AWG: 28 - 12, length: 81 mm, width: 5.2 mm, color: gray, mounting: NS 35/7,5, NS 35/15

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Accessories

Disconnect terminal block - ST 2,5-TWIN-TG/1P - 3040847



Disconnect terminal block, nom. voltage: 400 V, nominal current: 20 A, connection method: Spring-cage/plug-in connection, cross section: 0.08 mm² - 4 mm², AWG: 28 - 12, length: 81 mm, width: 5.2 mm, color: gray, mounting: NS 35/7,5, NS 35/15

Multi-level terminal block

Double-level terminal block - PTTB 2,5/2P - 3210871



Double-level terminal block, connection method: Push-in / plug connection, cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, width: 5.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

Double-level terminal block - PTTB 2,5/2P BU - 3210884



Double-level terminal block, connection method: Push-in / plug connection, cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, width: 5.2 mm, color: blue, mounting type: NS 35/7,5, NS 35/15

PCB headers

Feed-through header - ST 2,5-PCBV/10-G-5,2 - 1980569



ST-COMBI receptacle, plug-in direction vertical to the PCB, pitch: 5.2 mm, no. of positions: 10

Plug-in terminal block

Feed-through terminal block - UT 2,5/1P - 3045017



Feed-through terminal block, nom. voltage: 500 V, nominal current: 24 A, connection method: Screw/plug-in connection, number of connections: 2, cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, width: 5.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

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Accessories

Feed-through terminal block - UT 2,5/1P BU - 3045020



Feed-through terminal block, nom. voltage: 500 V, nominal current: 24 A, connection method: Screw/plug-in connection, number of connections: 2, cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, width: 5.2 mm, color: blue, mounting type: NS 35/7,5, NS 35/15

Feed-through terminal block - PT 2,5/1P - 3210033



Feed-through terminal block, nom. voltage: 500 V, nominal current: 24 A, connection method: Push-in / plug connection, number of connections: 2, cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, width: 5.2 mm, height: 35.3 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

Feed-through terminal block - PT 2,5/1P BU - 3210046



Feed-through terminal block, nom. voltage: 500 V, nominal current: 24 A, connection method: Push-in / plug connection, number of connections: 2, cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, width: 5.2 mm, height: 35.3 mm, color: blue, mounting type: NS 35/7,5, NS 35/15

Feed-through terminal block - QTC 1,5/ 1P - 3050073



Feed-through terminal block, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Fast/plug-in connection, number of connections: 2, cross section: 0.25 mm² - 1.5 mm², AWG: 24 - 16, width: 5.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

Feed-through terminal block - QTC 1,5/ 1P BU - 3050086



Feed-through terminal block, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Fast/plug-in connection, number of connections: 2, cross section: 0.25 mm² - 1.5 mm², AWG: 24 - 16, width: 5.2 mm, color: blue, mounting type: NS 35/7,5, NS 35/15

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Accessories

Feed-through terminal block - UT 2,5-TWIN/1P - 3060490



Feed-through terminal block, nom. voltage: 500 V, nominal current: 24 A, connection method: Screw/plug-in connection, number of connections: 3, number of positions: 1, cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, width: 5.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

Feed-through terminal block - UT 2,5-TWIN/1P BU - 3060500



Feed-through terminal block, nom. voltage: 500 V, nominal current: 24 A, connection method: Screw/plug-in connection, number of connections: 3, number of positions: 1, cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, width: 5.2 mm, color: blue, mounting type: NS 35/7,5, NS 35/15

Feed-through terminal block - PT 2,5-TWIN/1P - 3209633



Feed-through terminal block, nom. voltage: 500 V, nominal current: 24 A, connection method: Push-in / plug connection, number of connections: 3, number of positions: 1, cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, width: 5.2 mm, height: 35.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

Feed-through terminal block - PT 2,5-TWIN/1P BU - 3209646



Feed-through terminal block, nom. voltage: 500 V, nominal current: 24 A, connection method: Push-in / plug connection, number of connections: 3, number of positions: 1, cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, width: 5.2 mm, height: 35.2 mm, color: blue, mounting type: NS 35/7,5, NS 35/15

Feed-through terminal block - PT 2,5-QUATTRO/2P - 3209662



Feed-through terminal block, nom. voltage: 500 V, nominal current: 24 A, connection method: Push-in / plug connection, number of connections: 4, cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, width: 5.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

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Accessories

Feed-through terminal block - PT 2,5-QUATTRO/2P BU - 3209675



Feed-through terminal block, nom. voltage: 500 V, nominal current: 24 A, connection method: Push-in / plug connection, number of connections: 4, cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, width: 5.2 mm, color: blue, mounting type: NS 35/7,5, NS 35/15

Double-level terminal block - UTTB 2,5/2P - 3060351



Double-level terminal block, connection method: Screw/plug-in connection, cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, width: 5.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

Double-level terminal block - UTTB 2,5/2P BU - 3060364



Double-level terminal block, connection method: Screw/plug-in connection, cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, width: 5.2 mm, color: blue, mounting type: NS 35/7,5, NS 35/15

Double-level terminal block - STTB 2,5/2P - 3040054



Double-level terminal block, connection method: Spring-cage/plug-in connection, cross section: 0.08 mm² - 4 mm², AWG: 28 - 12, width: 5.2 mm, color: gray, mounting type: NS 35/15, NS 35/7,5

Double-level terminal block - STTB 2,5/2P BU - 3040672



Double-level terminal block, connection method: Spring-cage/plug-in connection, cross section: 0.08 mm² - 4 mm², AWG: 28 - 12, width: 5.2 mm, color: blue, mounting type: NS 35/15, NS 35/7,5

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Accessories

Double-level terminal block - QTTCB 1,5/ 2P - 3050196



Double-level terminal block, connection method: Fast/plug-in connection, cross section: 0.25 mm² - 1.5 mm², AWG: 24 - 16, width: 5.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

Double-level terminal block - QTTCB 1,5/ 2P BU - 3050206



Double-level terminal block, connection method: Fast/plug-in connection, cross section: 0.25 mm² - 1.5 mm², AWG: 24 - 16, width: 5.2 mm, color: blue, mounting: NS 35/7,5, NS 35/15

Feed-through terminal block - ST 2,5/2P - 3042133



Feed-through terminal block, nom. voltage: 500 V, nominal current: 24 A, connection method: Spring-cage/plug-in connection, number of connections: 2, cross section: 0.08 mm² - 4 mm², AWG: 28 - 12, width: 5.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

Feed-through terminal block - ST 2,5/2P BU - 3042094



Feed-through terminal block, nom. voltage: 500 V, nominal current: 24 A, connection method: Spring-cage/plug-in connection, number of connections: 2, cross section: 0.08 mm² - 4 mm², AWG: 28 - 12, width: 5.2 mm, color: blue, mounting type: NS 35/7,5, NS 35/15

Terminal coupling

COMBI receptacle - SC 2,5/10 - 3042311



COMBI receptacle, nom. voltage: 500 V, nominal current: 24 A, connection method: Plug connection, number of connections: 1, number of positions: 10, cross section: 0.08 mm² - 4 mm², AWG: 28 - 12, width: 52 mm, height: 18.8 mm, color: gray

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Accessories

COMBI receptacle - SC 2,5/10 - 3042311



COMBI receptacle, nom. voltage: 500 V, nominal current: 24 A, connection method: Plug connection, number of connections: 1, number of positions: 10, cross section: 0.08 mm² - 4 mm², AWG: 28 - 12, width: 52 mm, height: 18.8 mm, color: gray

COMBI receptacle - SC 2,5/10 - 3042311



COMBI receptacle, nom. voltage: 500 V, nominal current: 24 A, connection method: Plug connection, number of connections: 1, number of positions: 10, cross section: 0.08 mm² - 4 mm², AWG: 28 - 12, width: 52 mm, height: 18.8 mm, color: gray

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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>

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