

# VIP-PA-PWR/4X10COMBI/ 6,0M/S7 - Front adapter



2904710

<https://www.phoenixcontact.com/us/products/2904710>

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VIP power cabling, universal front adapter for connecting all common 40-pos. SIMATIC S7-300 I/O modules, via four cables each with a 10-pos. COMBI connector, pitch: 5.2 mm

## Commercial data

Item number	2904710
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DK232S
GTIN	4046356882521
Weight per piece (including packing)	3,509 g
Weight per piece (excluding packing)	3,509 g
Country of origin	DE

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## Technical data

### Product properties

Product type	Front adapter
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### Insulation characteristics

Insulation	Basic insulation
Overvoltage category	III
Pollution degree	2

### Electrical properties

Operating voltage (AC/DC)	≤ 250 V AC/DC
Nominal operating mode	100% operating factor
Current (per single-core wire, 40°C)	≤ 6 A
Current (per single-core wire, 60°C)	≤ 4 A
Current (Total current per cable, 40°C)	≤ 20 A
Current (Total current per cable, 60°C)	≤ 16 A
Rated insulation voltage	260 V
Rated surge voltage	4 kV

Supported controller: SIEMENS S7-300 / ET 200 M

Suitable I/O card	6ES7321-1BL00-0AA0
	6ES7321-1EL00-0AA0
	6ES7321-1CH00-0AA0
	6ES7321-1FF10-0AA0
	6ES7322-1BL00-0AA0
	6ES7322-8BH10-0AB0
	6ES7322-5GH00-0AB0
	6ES7322-5FF00-0AB0
	6ES7322-5HF00-0AB0
	6ES7322-1HF10-0AA0
	6ES7323-1BL00-0AA0
	6ES7331-7NF00-0AB0
	6ES7331-7NF10-0AB0
	6ES7331-1KF02-0AB0
	6ES7331-7PF01-0AB0
	6ES7331-7PF11-0AB0
	6ES7331-7PE10-0AB0
	6ES7332-5HF00-0AB0
	6ES7326-1BK02-0AB0
	6ES7326-1RF00-0AB0
	6ES7326-2BF41-0AB0
	6ES7326-2BF01-0AB0
	6ES7326-2BF10-0AB0

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6ES7336-1HE00-0AB0

## Connection data

### Controller level

Connection method	Plug-in connection
Note	Can be plugged onto 40-pos. I/O modules

### Field level

Connection method	COMBICON connectors
Number of connections	4
Number of positions	10
Pitch	5.2 mm

## Dimensions

### Cable

Length	6 m
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## Cable/line

Number of positions	10
Shielded	no
Conductor type	Round cable set
Conductor structure signal line	16x 1.80 mm
AWG signal line	21
Conductor cross-section	10x 0.5 mm <sup>2</sup>
Outer sheath, material	PVC
External sheath, color	gray
Conductor material	Bare Cu litz wires
Cable resistance	≤ 40 Ω/km
Insulation resistance	≥ 20 MΩ*km
Halogen-free	no
Flame resistance	UL VW-1

## Environmental and real-life conditions

### Ambient conditions

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

## Standards and regulations

Standards/regulations	DIN EN 50178
	IEC 60664

## Mounting

Mounting position	any
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## 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.

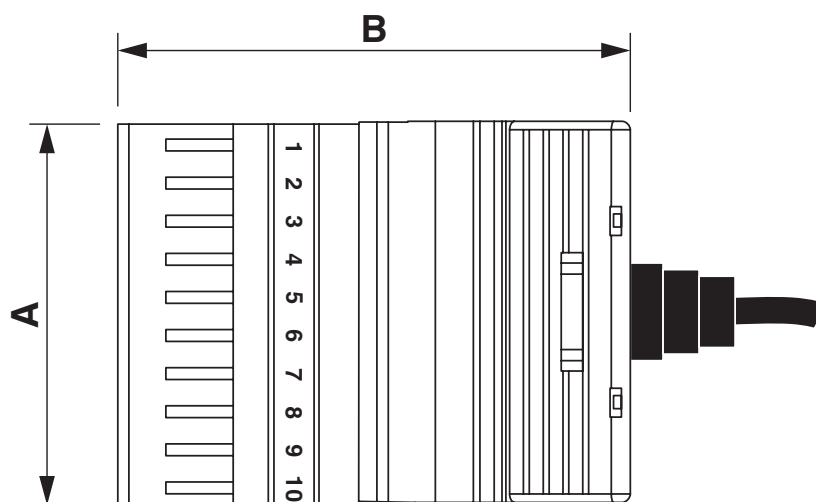
# VIP-PA-PWR/4X10COMBI/ 6,0M/S7 - Front adapter

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## Drawings

Dimensional drawing



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

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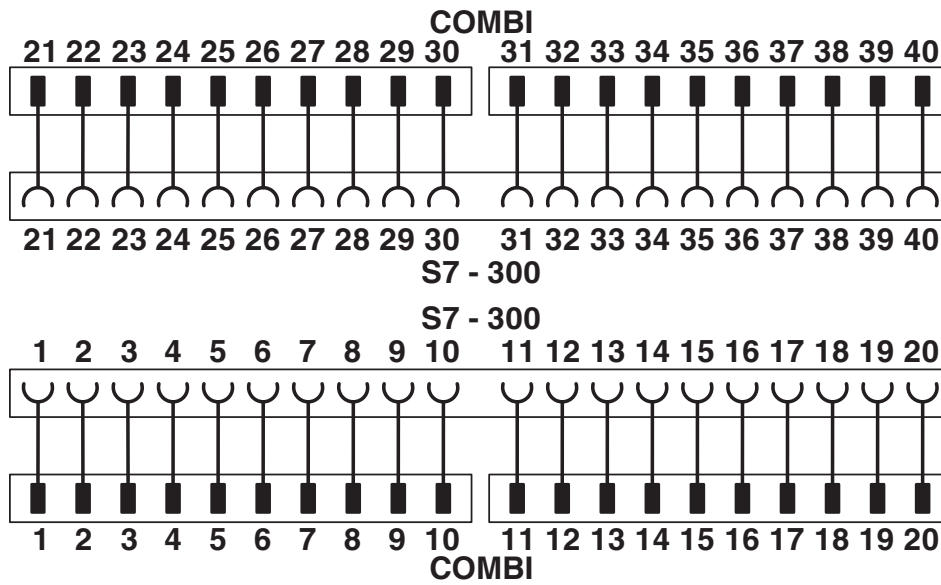
## Connection diagram

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	<b>Plug 1</b>
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	<b>Plug 2</b>
21	white	21	
22	brown	22	
23	green	23	
24	yellow	24	
25	gray	25	
26	pink	26	
27	blue	27	
28	red	28	
29	black	29	
30	violet	30	<b>Plug 3</b>
31	white	31	
32	brown	32	
33	green	33	
34	yellow	34	
35	gray	35	
36	pink	36	
37	blue	37	
38	red	38	
39	black	39	
40	violet	40	<b>Plug 4</b>

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Circuit diagram



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## Classifications

### ECLASS

ECLASS-13.0

27242292

### UNSPSC

UNSPSC 21.0

32151600

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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
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