

# VIP-PA-PWR/2X10COMBI/ 6,0M/S7 - Front adapter



2904721

<https://www.phoenixcontact.com/us/products/2904721>

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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

## Commercial data

Item number	2904721
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DK232S
GTIN	4046356882583
Weight per piece (including packing)	1,946 g
Weight per piece (excluding packing)	1,946 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

### 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	6ES7321-1BH02-0AA0
	6ES7321-1BH10-0AA0
	6ES7321-7BH01-0AB0
	6ES7321-1BH50-0AA0
	6ES7321-1CH20-0AA0
	6ES7321-1FH00-0AA0
	6ES7321-1FF01-0AA0
	6ES7322-1FL00-0AA0
	6ES7322-1BH01-0AA0
	6ES7322-1BH10-0AA0
	6ES7322-1FH00-0AA0
	6ES7322-1BF01-0AA0
	6ES7322-8BF00-0AB0
	6ES7322-1CF00-0AA0
	6ES7322-1FF01-0AA0
	6ES7322-1HH01-0AA0
	6ES7322-1HF01-0AA0
	6ES7323-1BH01-0AA0
	6ES7327-1BH00-0AB0
	6ES7331-7HF01-0AB0
	6ES7331-7KF02-0AB0
	6ES7331-7KB02-0AB0
	6ES7332-7ND02-0AB0
6ES7332-5HD01-0AB0	

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	6ES7332-5HB01-0AB0
	6ES7334-0CE01-0AA0
	6ES7334-0KE00-0AB0
	6ES7331-7TF01-0AB0
	6ES7332-8TF01-0AB0
	6ES7336-4GE00-0AB0

## Connection data

### Controller level

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

### Field level

Connection method	COMBICON connectors
Number of connections	2
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

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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.
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# VIP-PA-PWR/2X10COMBI/ 6,0M/S7 - Front adapter

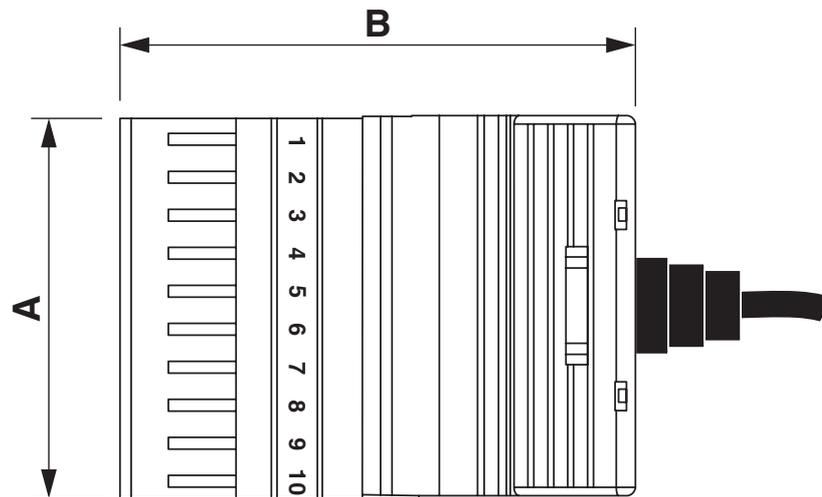


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## Drawings

Dimensional drawing



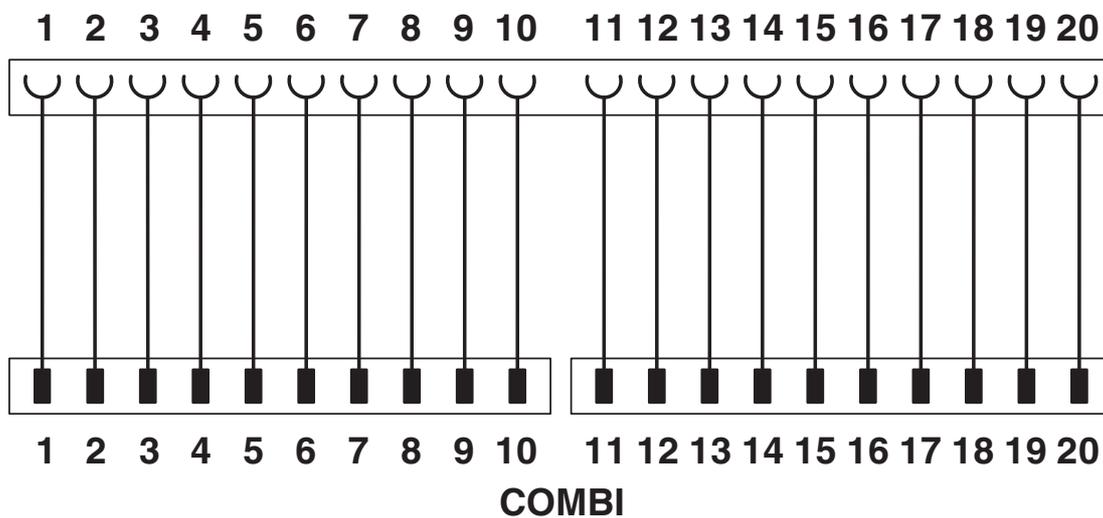
	<b>A</b>	<b>B</b>
<b>...4X10COMBI...</b>	<b>52</b>	<b>70</b>
<b>...2X10COMBI...</b>		
<b>...4X10 PT...</b>	<b>35</b>	<b>62</b>
<b>...2X10 PT...</b>		

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

Circuit diagram

**S7 - 300**



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## Classifications

### ECLASS

ECLASS-13.0

27242292

### ETIM

ETIM 8.0

EC002584

### UNSPSC

UNSPSC 21.0

32151600

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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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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