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## Front adapters - VIP-PA-PWR/2X10 PT/ 2,5M/S7 - 2905533

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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: 3.5 mm, cable length: 2.5 m

The figure shows version VIP-PA-PWR/2X10COMBI/.../S7

### Key Commercial Data

|              |                     |
|--------------|---------------------|
| Packing unit | 1 STK               |
| GTIN         | <br>4 046356 960892 |

### Technical data

#### Ambient conditions

|   |                  |
|---|------------------|
| Ambient temperature (operation)         | -20 °C ... 60 °C |
| Ambient temperature (storage/transport) | -20 °C ... 80 °C |

#### General

|                                |  |
|--------------------------------|--|
| Nominal voltage $U_N$          | $\leq 250$ V AC/DC   |
| Max. permissible current       | 6 A (per single wire at 40°C)<br>4 A (per single wire at 60°C) |
| Max. permissible total current | 20 A (per cable at 40 °C)<br>16 A (per cable at 60°C)          |
| Mounting position              | any  |
| Nominal operating mode         | 100% operating factor  |
| Degree of protection           | IP20   |
| Standards/regulations          | DIN EN 50178<br>IEC 60664<br>IEC 62103                         |
| Rated insulation voltage       | 260 V  |
| Rated surge voltage            | 4 kV (basic insulation)  |
| Overvoltage category           | III  |

#### Connection data 1

|                   |  |
|-------------------|--|
| Connection name   | Controller level                       |
| Connection method | Can be plugged onto 20-pin I/O Modules |

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### Technical data

#### Connection data 2

|                       |                     |
|-----------------------|---------------------|
| Connection name       | Field level         |
| Connection method     | COMBICON connectors |
| Number of connections | 2                   |
| Number of positions   | 10                  |

#### Cable

|                             |                     |
|-----------------------------|---------------------|
| Individual wires per module | 16                  |
| Single wire, material       | Cu uninsulated      |
| Single wire, cross section  | 0.5 mm <sup>2</sup> |
| 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       |
|                     | 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       |

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## Technical data

### Supported controller

|  |                     |
|--|---------------------|
|  | 6ES7 331-7TF01-0AB0 |
|  | 6ES7 332-8TF01-0AB0 |
|  | 6ES7 336-4GE00-0AB0 |

### Standards and Regulations

|                                  |              |
|----------------------------------|--------------|
| Connection in acc. with standard | CUL          |
| Standards/regulations            | DIN EN 50178 |
|                                  | IEC 60664    |
|                                  | IEC 62103    |
| Overvoltage category             | III          |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 5.1 | 27061801 |
| eCl@ss 6.0 | 27061801 |
| eCl@ss 8.0 | 27249205 |

### ETIM

|          |          |
|----------|----------|
| ETIM 5.0 | EC002584 |
|----------|----------|

## Approvals

### Approvals

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#### Approvals

UL Recognized / cUL Recognized / CSA / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted

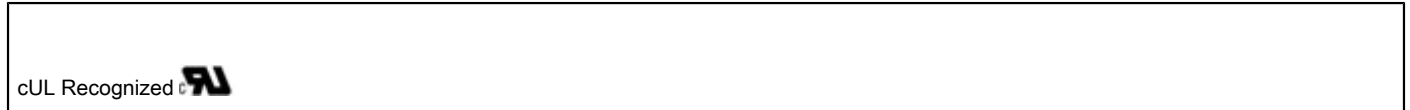
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### Approval details

|               |
|---------------|
| UL Recognized |
|---------------|

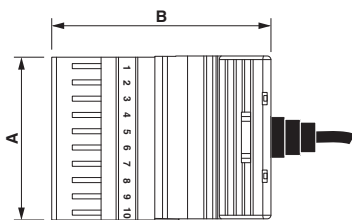
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## Approvals



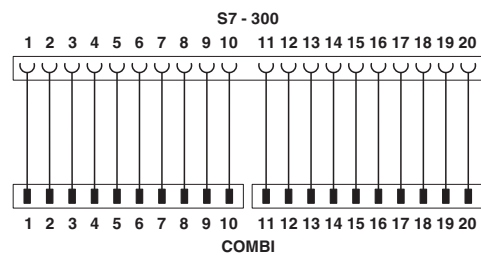
## Drawings

Dimensional drawing



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

Circuit diagram



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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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