

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



2905533

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

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 2905533             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Product key                          | CK232S              |
| Catalog page                         | Page 497 (C-5-2019) |
| GTIN                                 | 4046356960892       |
| Weight per piece (including packing) | 803.8 g             |
| Weight per piece (excluding packing) | 803.8 g             |
| Country of origin                    | DE                  |

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## Technical data

### Product properties

|              |               |
|--------------|---------------|
| Product type | Front adapter |
|--------------|---------------|

### Insulation characteristics

|                      |     |
|----------------------|-----|
| 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 (Basic insulation) |

### 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 |
|                   | 6ES7332-5HB01-0AB0 |

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|                    |
|--------------------|
| 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                 | 3.5 mm              |

## Dimensions

### Cable

|        |       |
|--------|-------|
| Length | 2.5 m |
|--------|-------|

## 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 |
|-----------------------|--------------|

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|  |           |
|--|-----------|
|  | IEC 60664 |
|--|-----------|

## Mounting

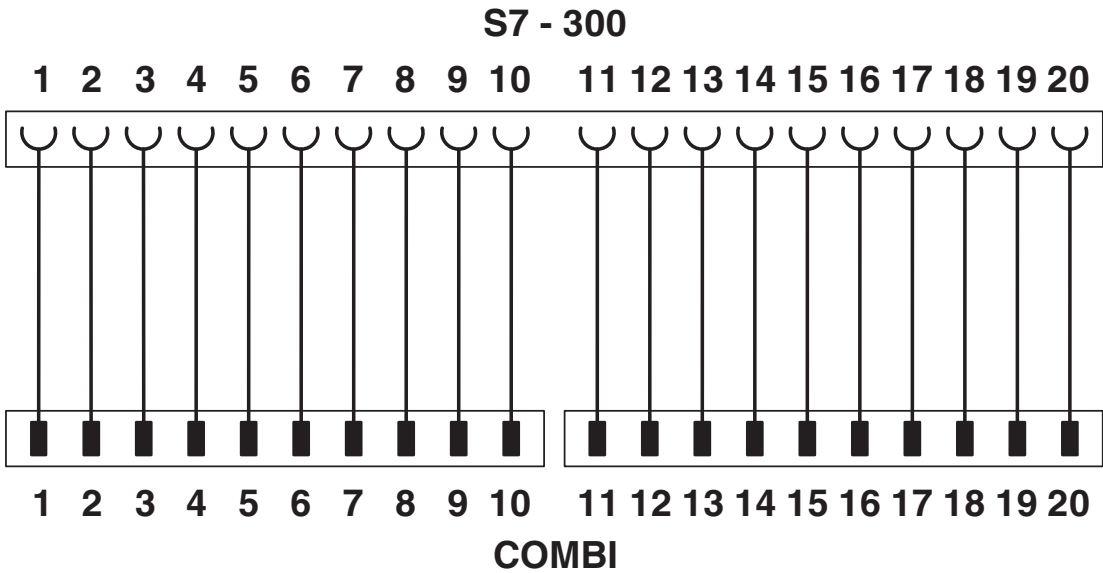
|                   |     |
|-------------------|-----|
| Mounting position | any |
|-------------------|-----|

## Notes

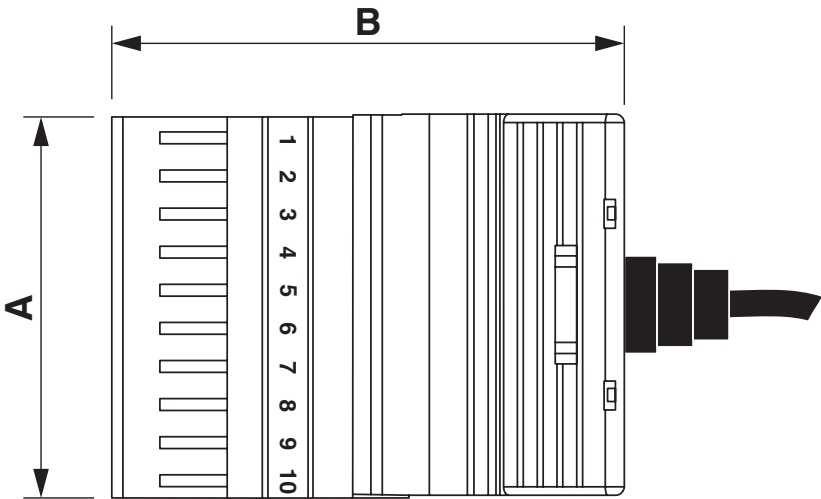
|                    |                                                                                                                                                                                                                                                                                |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Drawings

Circuit diagram



Dimensional drawing



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

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27242292 |
| ECLASS-13.0 | 27242292 |

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 32151601 |
|-------------|----------|

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%               |

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



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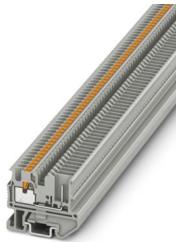
<https://www.phoenixcontact.com/us/products/2905533>

## Accessories

### MPT 1,5/S/1P - Mini feed-through terminal block

3248115

<https://www.phoenixcontact.com/us/products/3248115>



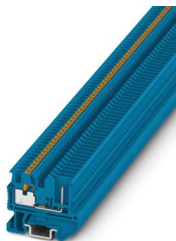
Mini feed-through terminal block, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 2, connection method: Push-in connection, 1 level, Rated cross section: 1.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, mounting type: NS 15, color: gray

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### MPT 1,5/S/1P BU - Mini feed-through terminal block

3248116

<https://www.phoenixcontact.com/us/products/3248116>



Mini feed-through terminal block, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 2, connection method: Push-in connection, 1 level, Rated cross section: 1.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, mounting type: NS 15, color: blue

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## PT 1,5/S/1P - Feed-through terminal block

3208582

<https://www.phoenixcontact.com/us/products/3208582>



Feed-through terminal block, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 2, connection method: Push-in / plug connection, 1 level, Rated cross section: 1.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

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## PT 1,5/S/1P BU - Feed-through terminal block

3208595

<https://www.phoenixcontact.com/us/products/3208595>



Feed-through terminal block, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 2, connection method: Push-in / plug connection, 1 level, Rated cross section: 1.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: blue

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## PT 1,5/S-TWIN/1P - Feed-through terminal block

3212358

<https://www.phoenixcontact.com/us/products/3212358>



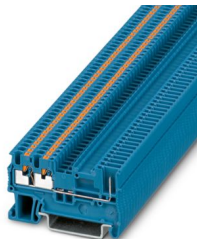
Feed-through terminal block, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 3, number of positions: 1, connection method: Push-in / plug connection, 1 level, Rated cross section: 1.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

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## PT 1,5/S-TWIN/1P BU - Feed-through terminal block

3212361

<https://www.phoenixcontact.com/us/products/3212361>



Feed-through terminal block, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 3, number of positions: 1, connection method: Push-in / plug connection, 1 level, Rated cross section: 1.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: blue

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## PT 1,5/S-QUATTRO/2P - Feed-through terminal block

3212390

<https://www.phoenixcontact.com/us/products/3212390>



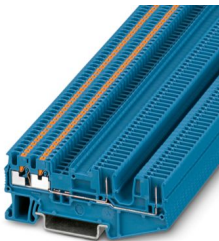
Feed-through terminal block, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 4, connection method: Push-in / plug connection, 1 level, Rated cross section: 1.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

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## PT 1,5/S-QUATTRO/2P BU - Feed-through terminal block

3212400

<https://www.phoenixcontact.com/us/products/3212400>



Feed-through terminal block, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 4, connection method: Push-in / plug connection, 1 level, Rated cross section: 1.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: blue

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## PTTB 1,5/S/2P - Double-level terminal block

3212439

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Double-level terminal block, Current and voltage are determined by the plug used., nom. voltage: 500 V, nominal current: 16 A, connection method: Push-in / plug connection, 1st and 2nd level, Rated cross section: 1.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

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## PTTB 1,5/S/2P BU - Double-level terminal block

3212442

<https://www.phoenixcontact.com/us/products/3212442>



Double-level terminal block, Current and voltage are determined by the plug used., nom. voltage: 500 V, nominal current: 16 A, connection method: Push-in / plug connection, 1st and 2nd level, Rated cross section: 1.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: blue

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

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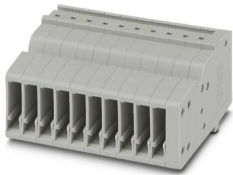
<https://www.phoenixcontact.com/us/products/2905533>



## PPC 1,5/S/10 - COMBI coupling

3213467

<https://www.phoenixcontact.com/us/products/3213467>



COMBI coupling, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 1, number of positions: 10, connection method: Push-in connection, 1 level, Rated cross section: 1.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, color: gray

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