

# VIP-PA-PWR/20XOE/ 6,0M/S7 - Front adapter



2904728

<https://www.phoenixcontact.com/us/products/2904728>

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VIP power cabling, universal front adapter for connection to all popular 20-pos. SIMATIC S7-300 I/O modules, via 20 individual wires in rope structure, not assembled (field connection, e.g., via 20 modular terminal blocks)

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2904728       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Product key                          | DK232S        |
| GTIN                                 | 4046356881999 |
| Weight per piece (including packing) | 1,012.5 g     |
| Weight per piece (excluding packing) | 1,012.5 g     |
| Country of origin                    | DE            |

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## Technical data

### Product properties

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

### Insulation characteristics

|                      |    |
|----------------------|----|
| Overvoltage category | II |
|----------------------|----|

### 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 (per single-core wire, 75°C)    | ≤ 750 mA                  |
| 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                     | 2.3 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 |

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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     | open cable end |
| Number of connections | 20             |
| Number of positions   | 1              |

## Dimensions

### Cable

|        |     |
|--------|-----|
| Length | 6 m |
|--------|-----|

## Cable/line

|                                 |                         |
|---------------------------------|-------------------------|
| Number of positions             | 20                      |
| Shielded                        | no                      |
| Conductor type                  | Round cable set         |
| Conductor structure signal line | 16x 1.80 mm             |
| AWG signal line                 | 21                      |
| Conductor cross-section         | 20x 0.5 mm <sup>2</sup> |
| Outer sheath, material          | Semi-rigid PVC          |
| Conductor material              | Bare Cu litz wires      |
| Halogen-free                    | no                      |

## 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.

Drawings

Circuit diagram



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## Classifications

### ECLASS

ECLASS-13.0

27242292

### UNSPSC

UNSPSC 21.0

32151601

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## 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% |
|-------------------------------------|----------------------------|

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