

## Front adapters - VIP-PA-PWR/20XOE/HF/ 2,0M/S7 - 2908915


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VIP power cabling, universal front adapter with halogen-free insulation, 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 terminal blocks), cable length: 2 m

RoHS

### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 pc  |
| GTIN                                 | <br>4 055626 357065 |
| GTIN                                 | 4055626357065   |
| Weight per Piece (excluding packing) | 390.000 g   |
| Custom tariff number                 | 85444290  |
| Country of origin                    | Germany   |
| Note                                 | Made to Order (non-returnable)  |

### Technical data

#### Ambient conditions

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

#### General

|                                    |                                   |
|------------------------------------|-----------------------------------|
| Max. permissible operating voltage | 250 V AC/DC                       |
| Max. permissible current           | 6 A (per single wire at 40°C)     |
|                                    | 4 A (per single wire at 60°C)     |
|                                    | 750 mA (per single wire at 75 °C) |
| Max. permissible total current     | 20 A (per cable at 40 °C)         |
|                                    | 16 A (per cable at 60°C)          |
| Mounting position                  | any                               |
| Nominal operating mode             | 100% operating factor             |

### Standards and Regulations

## Front adapters - VIP-PA-PWR/20XOE/HF/ 2,0M/S7 - 2908915

### Technical data

#### Standards and Regulations

|                          |                           |
|--------------------------|---------------------------|
| Flame resistance         | IEC 60332-1-2             |
| Standards/regulations    | DIN EN 50178              |
|                          | IEC 60664                 |
| Rated insulation voltage | 260 V                     |
| Rated surge voltage      | 2.3 kV (basic insulation) |
| Overvoltage category     | II                        |

#### Connection data

|                   |   |
|-------------------|---|
| Connection name   | Controller level                        |
| Connection method | Plug connection                         |
| Note              | Can be plugged onto 20-pos. I/O modules |

#### Connection data 2

|                       |                |
|-----------------------|----------------|
| Connection name       | Field level    |
| Connection method     | open cable end |
| Number of connections | 20             |
| Number of positions   | 1              |

#### Cable

|   |                     |
|---|---------------------|
| Conductor construction: Number of litz wires: | 16                  |
| Single wire, material                         | Cu uninsulated      |
| Single wire, cross section                    | 0.5 mm <sup>2</sup> |
| External diameter                             | 9 mm                |
| Length of cable                               | 2 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       |

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Technical data

Supported controller

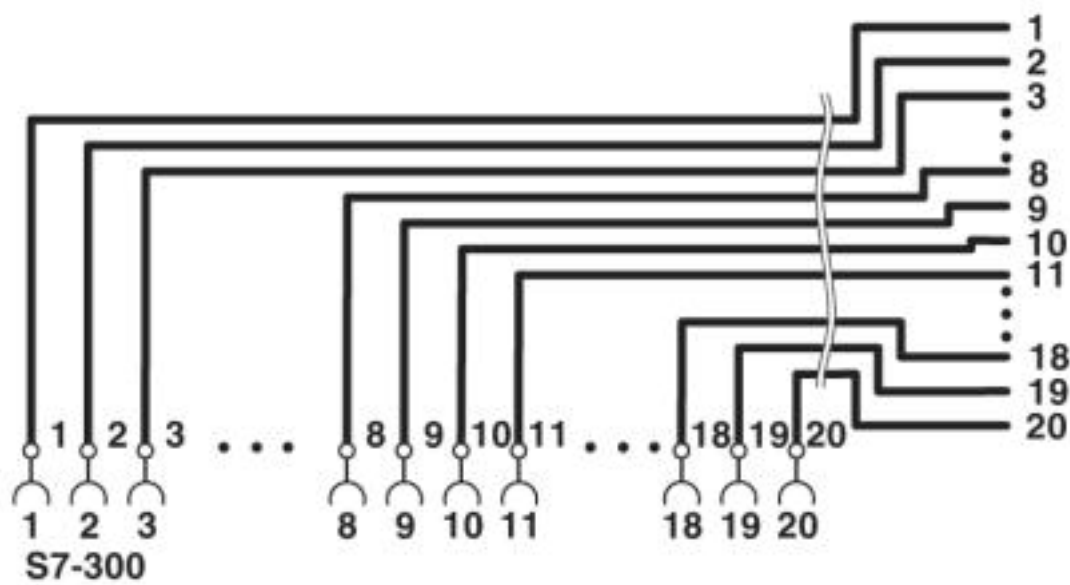
|  |                     |
|--|---------------------|
|  | 6ES7 322-1HH01-0AA0 |
|  | 6ES7 322-1HF01-0AA0 |
|  | 6ES7 323-1BH01-0AA0 |
|  | 6ES7 327-1BH00-0AB0 |
|  | 6ES7 331-7HF01-0AB0 |
|  | 6ES7 331-7KF02-0AB0 |
|  | 6ES7 331-7KB02-0AB0 |
|  | 6ES7 332-7ND02-0AB0 |
|  | 6ES7 332-5HD01-0AB0 |
|  | 6ES7 332-5HB01-0AB0 |
|  | 6ES7 334-0CE01-0AA0 |
|  | 6ES7 334-0KE00-0AB0 |
|  | 6ES7 331-7TF01-0AB0 |
|  | 6ES7 332-8TF01-0AB0 |
|  | 6ES7 336-4GE00-0AB0 |

Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 50  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

Drawings

Circuit diagram



## Front adapters - VIP-PA-PWR/20XOE/HF/ 2,0M/S7 - 2908915

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 5.0 | 27249290 |
| eCl@ss 5.1 | 27249290 |
| eCl@ss 6.0 | 27249200 |
| eCl@ss 7.0 | 27249290 |
| eCl@ss 8.0 | 27249290 |
| eCl@ss 9.0 | 27242292 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC002584 |
| ETIM 5.0 | EC002584 |
| ETIM 6.0 | EC002584 |
| ETIM 7.0 | EC002584 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 26121620 |
| UNSPSC 7.0901 | 26121620 |
| UNSPSC 11     | 26121620 |
| UNSPSC 12.01  | 26121620 |
| UNSPSC 13.2   | 32151601 |
| UNSPSC 18.0   | 32151601 |
| UNSPSC 19.0   | 32151601 |
| UNSPSC 20.0   | 32151601 |
| UNSPSC 21.0   | 32151601 |

### Approvals


#### Approvals

Approvals

EAC

Ex Approvals

#### Approval details

|     |   |                         |
|-----|---|-------------------------|
| EAC |  | RU C-<br>DE.A*30.B00767 |
|-----|---|-------------------------|

## Front adapters - VIP-PA-PWR/20XOE/HF/ 2,0M/S7 - 2908915

### Accessories

#### Accessories

#### Disconnect terminal block

##### Knife disconnect terminal block - UT 2,5-MT - 3046362



Knife disconnect terminal block, nom. voltage: 400 V, nominal current: 20 A, connection method: Screw connection, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 26 - 12, length: 57.8 mm, width: 5.2 mm, color: gray, mounting: NS 35/7,5, NS 35/15

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##### Knife disconnect terminal block - PT 2,5-MT - 3210156



Knife disconnect terminal block, nom. voltage: 400 V, nominal current: 20 A, connection method: Push-in connection, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 26 - 12, length: 62 mm, width: 5.2 mm, color: gray, mounting: NS 35/7,5, NS 35/15

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##### Knife disconnect terminal block - ST 2,5-MT - 3036343



Knife disconnect terminal block, nom. voltage: 400 V, nominal current: 20 A, connection method: Spring-cage connection, cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 28 - 12, length: 60.5 mm, width: 5.2 mm, color: gray, mounting: NS 35/7,5, NS 35/15

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##### Knife disconnect terminal block - QTC 1,5-MT - 3205103



Knife disconnect terminal block, nom. voltage: 400 V, nominal current: 17.5 A, connection method: Quick connection, cross section: 0.25 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, AWG: 24 - 16, length: 76.4 mm, width: 5.2 mm, color: gray, mounting: NS 35/7,5, NS 35/15

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##### Knife disconnect terminal block - QTC 2,5-MT - 3206487



Knife disconnect terminal block, nom. voltage: 400 V, nominal current: 20 A, connection method: Quick connection, cross section: 0.5 mm<sup>2</sup> - 2.5 mm<sup>2</sup>, AWG: 20 - 14, length: 82.5 mm, width: 6.2 mm, color: gray, mounting: NS 35/7,5, NS 35/15

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#### Feed-through terminal block

## Front adapters - VIP-PA-PWR/20XOE/HF/ 2,0M/S7 - 2908915

### Accessories

#### Feed-through terminal block - UT 2,5 - 3044076



Feed-through terminal block, nom. voltage: 1000 V, nominal current: 24 A, connection method: Screw connection, number of connections: 2, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 26 - 12, width: 5.2 mm, height: 46.9 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

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#### Feed-through terminal block - PT 1,5/S - 3208100



Feed-through terminal block, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 2, cross section: 0.14 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, AWG: 26 - 14, width: 3.5 mm, height: 30.5 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

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#### Feed-through terminal block - PT 2,5 - 3209510



Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Push-in connection, number of connections: 2, number of positions: 1, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 26 - 12, width: 5.2 mm, height: 35.3 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

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#### Feed-through terminal block - ST 1,5 - 3031076



Feed-through terminal block, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Spring-cage connection, number of connections: 2, cross section: 0.08 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, AWG: 28 - 16, width: 4.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

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#### Feed-through terminal block - ST 2,5 - 3031212



Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Spring-cage connection, number of connections: 2, cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 28 - 12, width: 5.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

## Front adapters - VIP-PA-PWR/20XOE/HF/ 2,0M/S7 - 2908915

### Accessories

#### Fast connection terminal block - QTC 1,5 - 3205019



Fast connection terminal block, nom. voltage: 800 V, nominal current: 17.5 A, connection method: Quick connection, number of connections: 2, cross section: 0.25 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, AWG: 24 - 16, width: 5.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

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#### Feed-through terminal block - QTC 2,5 - 3206416



Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Quick connection, number of connections: 2, cross section: 0.5 mm<sup>2</sup> - 2.5 mm<sup>2</sup>, AWG: 20 - 14, width: 6.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

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#### Multi-conductor terminal block

#### Feed-through terminal block - UT 2,5-TWIN - 3044513



Feed-through terminal block, nom. voltage: 500 V, nominal current: 24 A, connection method: Screw connection, number of connections: 3, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 26 - 12, width: 5.2 mm, height: 46.9 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

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#### Feed-through terminal block - PT 1,5/S-TWIN - 3208155



Feed-through terminal block, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 3, cross section: 0.14 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, AWG: 26 - 14, width: 3.5 mm, height: 30.5 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

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#### Feed-through terminal block - PT 2,5-TWIN - 3209549



Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Push-in connection, number of connections: 3, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 26 - 12, width: 5.2 mm, height: 35.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

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### Accessories

#### Feed-through terminal block - ST 1,5-TWIN - 3031128



Feed-through terminal block, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Spring-cage connection, number of connections: 3, cross section: 0.08 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, AWG: 28 - 16, width: 4.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

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#### Feed-through terminal block - ST 2,5-TWIN - 3031241



Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Spring-cage connection, number of connections: 3, cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 28 - 12, width: 5.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

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#### Feed-through terminal block - QTC 1,5-TWIN - 3205048



Feed-through terminal block, nom. voltage: 800 V, nominal current: 17.5 A, connection method: Quick connection, number of connections: 3, cross section: 0.25 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, AWG: 24 - 16, width: 5.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/7,5

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#### Feed-through terminal block - QTC 2,5-TWIN - 3206445



Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Quick connection, number of connections: 3, cross section: 0.5 mm<sup>2</sup> - 2.5 mm<sup>2</sup>, AWG: 20 - 14, width: 6.2 mm, height: 37.8 mm, color: gray, mounting type: NS 35/7,5, NS 35/7,5

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### Multi-level terminal block

#### Double-level terminal block - UTTB 2,5 - 3044636



Double-level terminal block, connection method: Screw connection, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 26 - 12, width: 5.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15



## Front adapters - VIP-PA-PWR/20XOE/HF/ 2,0M/S7 - 2908915

### Accessories

#### Double-level terminal block - PTTB 1,5/S - 3208511



Double-level terminal block, connection method: Push-in connection, cross section: 0.14 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, AWG: 26 - 14, width: 3.5 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

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#### Double-level terminal block - PTTB 2,5 - 3210567



Double-level terminal block, connection method: Push-in connection, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 26 - 12, width: 5.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

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#### Double-level spring-cage terminal block - STTB 1,5 - 3031157



Double-level spring-cage terminal block, connection method: Spring-cage connection, cross section: 0.08 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, AWG: 28 - 16, width: 4.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

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#### Double-level spring-cage terminal block - STTB 2,5 - 3031270



Double-level spring-cage terminal block, connection method: Spring-cage connection, cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 28 - 12, width: 5.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

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#### Double-level terminal block - QTTCB 1,5 - 3205116



Double-level terminal block, connection method: Quick connection, cross section: 0.25 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, AWG: 24 - 16, width: 5.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15