

## Front adapters - VIP-PA-PWR/4X10 PT/ 1,0M/S7 - 2905517

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VIP power cabling, universal front adapter for connecting all common 40-pos. SIMATIC S7-300 I/O modules, via four cables each with a 10-pos. COMBI connector, pitch: 3.5 mm, cable length: 1 m

RoHS

### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 pc                                                                                                    |
| GTIN         | <br>4 046356 960021 |
| GTIN         | 4046356960021                                                                                           |

### 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)<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                                          |

#### Standards and Regulations

|                                  |                           |
|----------------------------------|---------------------------|
| Connection in acc. with standard | CUL                       |
| Standards/regulations            | DIN EN 50178<br>IEC 60664 |
| Rated insulation voltage         | 260 V                     |
| Rated surge voltage              | 4 kV (basic insulation)   |

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## Technical data

### Standards and Regulations

|                      |     |
|----------------------|-----|
| Pollution degree     | 2   |
| Overvoltage category | III |

### Connection data

|                   |                                         |
|-------------------|-----------------------------------------|
| Connection name   | Controller level                        |
| Connection method | Plug connection                         |
| Note              | Can be plugged onto 40-pos. I/O modules |

### Connection data 2

|                       |                     |
|-----------------------|---------------------|
| Connection name       | Field level         |
| Connection method     | COMBICON connectors |
| Number of connections | 4                   |
| Number of positions   | 10                  |
| Pitch                 | 3.5 mm              |

### 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                               | 1 m                 |
| Max. conductor resistance                     | ≤ 39 Ω/km           |

### Supported controller

|                     |                           |
|---------------------|---------------------------|
| Controller          | SIEMENS S7-300 / ET 200 M |
| - suitable I/O card | 6ES7 321-1BL00-0AA0       |
|                     | 6ES7 321-1EL00-0AA0       |
|                     | 6ES7 321-1CH00-0AA0       |
|                     | 6ES7 321-1FF10-0AA0       |
|                     | 6ES7 322-1BL00-0AA0       |
|                     | 6ES7 322-8BH10-0AB0       |
|                     | 6ES7 322-5GH00-0AB0       |
|                     | 6ES7 322-5FF00-0AB0       |
|                     | 6ES7 322-5HF00-0AB0       |
|                     | 6ES7 322-1HF10-0AA0       |
|                     | 6ES7 323-1BL00-0AA0       |
|                     | 6ES7 331-7NF00-0AB0       |
|                     | 6ES7 331-7NF10-0AB0       |
|                     | 6ES7 331-1KF02-0AB0       |
|                     | 6ES7 331-7PF01-0AB0       |
|                     | 6ES7 331-7PF11-0AB0       |
|                     | 6ES7 331-7PE10-0AB0       |
|                     | 6ES7 332-5HF00-0AB0       |

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### Technical data

#### Supported controller

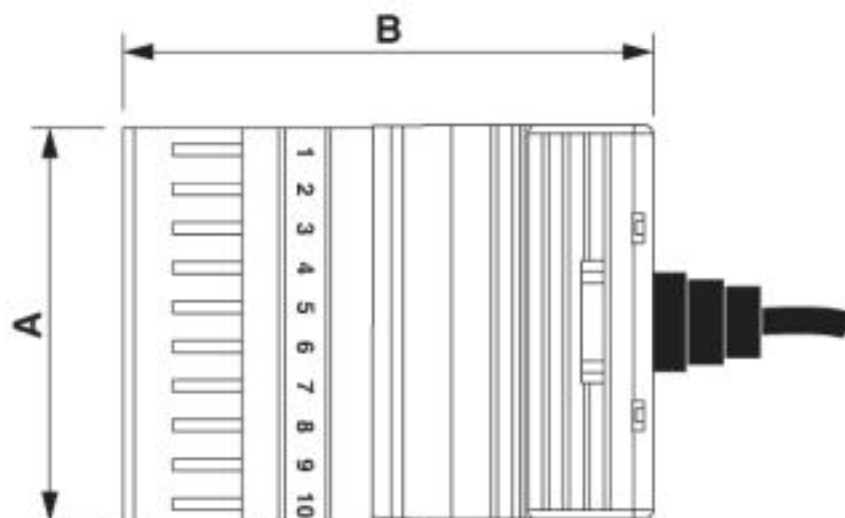
|  |                     |
|--|---------------------|
|  | 6ES7 326-1BK02-0AB0 |
|  | 6ES7 326-1RF00-0AB0 |
|  | 6ES7 326-2BF41-0AB0 |
|  | 6ES7 326-2BF01-0AB0 |
|  | 6ES7 326-2BF10-0AB0 |
|  | 6ES7 336-1HE00-0AB0 |

#### Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
|            | Lead 7439-92-1                                                                                      |
| China RoHS | Environmentally Friendly Use Period = 50                                                            |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

### Drawings

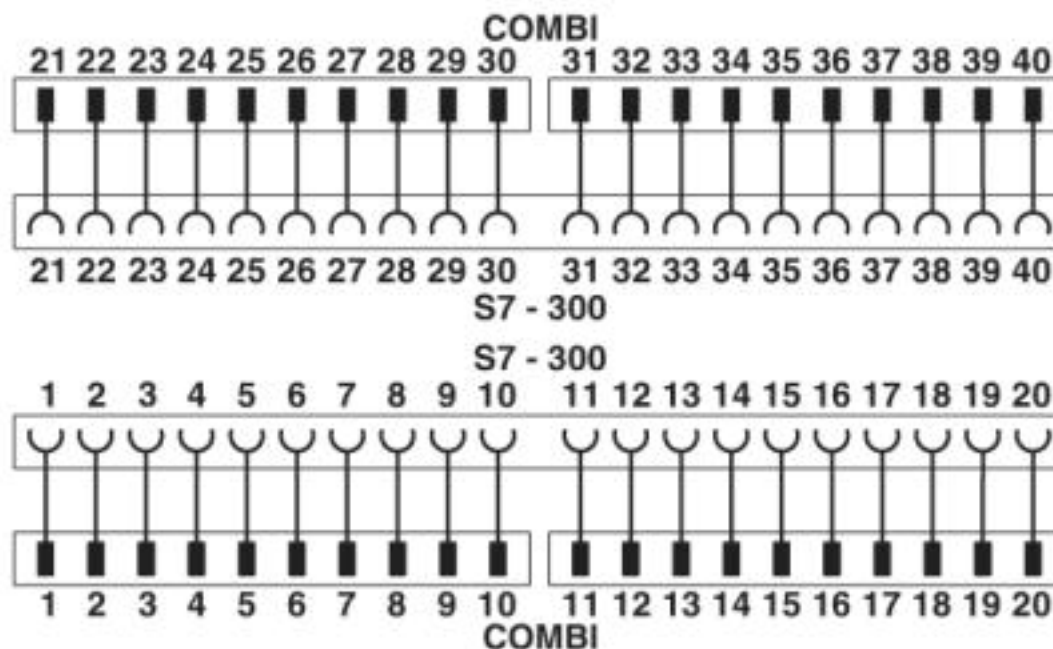
Dimensional drawing



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

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Circuit diagram



### Approvals

#### Approvals

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CSA / UL Recognized / cUL Recognized / EAC / cULus Recognized

#### Ex Approvals

#### Approval details

|                    |                                                                                     |                                                                                                                                         |          |
|--------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------|
| CSA                |  | <a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a> | 70019651 |
| Nominal voltage UN |                                                                                     | 250 V                                                                                                                                   |          |
| Nominal current IN |                                                                                     | 6 A                                                                                                                                     |          |

|                    |                                                                                     |                                                                                                                                                       |               |
|--------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| UL Recognized      |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 238705 |
| Nominal voltage UN |                                                                                     | 250 V                                                                                                                                                 |               |

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### Approvals

|                    |     |
|--------------------|-----|
|                    |     |
| Nominal current IN | 6 A |

|                    |                                                                                   |                                                                                                                                                       |               |
|--------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| cUL Recognized     |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 238705 |
|                    |                                                                                   |                                                                                                                                                       |               |
| Nominal voltage UN |                                                                                   | 250 V                                                                                                                                                 |               |
| Nominal current IN |                                                                                   | 6 A                                                                                                                                                   |               |

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

|                  |                                                                                   |
|------------------|-----------------------------------------------------------------------------------|
| cULus Recognized |  |
|------------------|-----------------------------------------------------------------------------------|

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