

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 | DK232S |
| 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 ² |
| 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

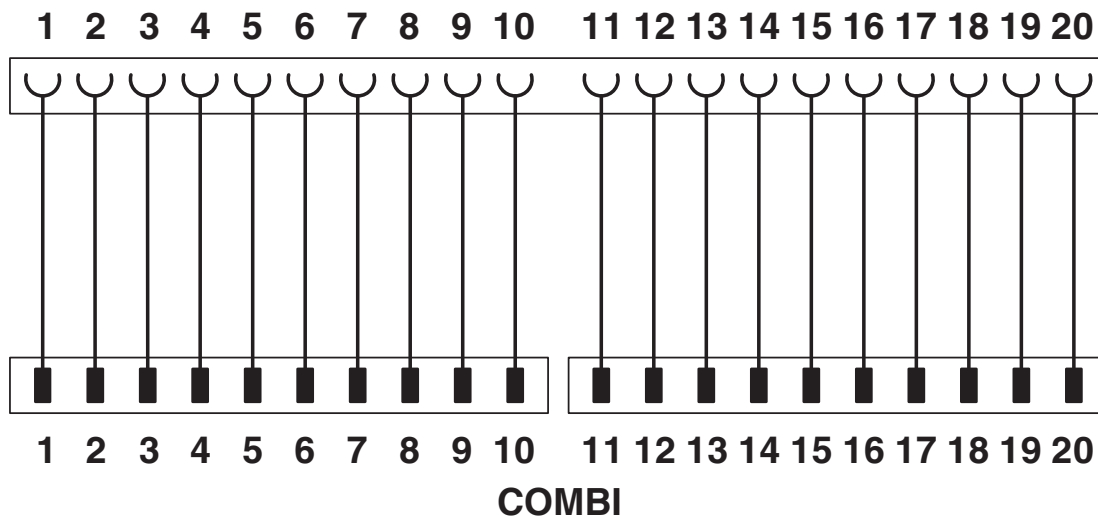
Dimensional drawing



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

Circuit diagram

S7 - 300



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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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