



Automatización Eléctrica
Especialistas en Automatización

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Front adapters - VIP-PA-PWR/4X10COMBI/ 5,0M/S7 - 2904709

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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: 5.2 mm, cable length: 5 m

Key Commercial Data

| | |
|--------------|---------------------|
| Packing unit | 1 STK |
| GTIN | 4 046356 881654 |

Technical data

Ambient conditions

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

General

| | |
|--------------------------------|--|
| Nominal voltage U_N | ≤ 250 V AC/DC |
| Max. permissible current | 6 A (per single wire at 40°C) 4 A (per single wire at 60°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 |
| Degree of protection | IP20 |
| Standards/regulations | DIN EN 50178 IEC 60664 IEC 62103 |
| Rated surge voltage | basic insulation |
| Degree of pollution | 2 |
| Overvoltage category | III |

Connection data 1

| | |
|-------------------|--|
| Connection name | Controller level |
| Connection method | Can be plugged onto 40-pin I/O Modules |

Connection data 2

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Technical data

Connection data 2

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

Cable

| | |
|-----------------------------|---------------------|
| Individual wires per module | 16 |
| Single wire, material | Cu uninsulated |
| Single wire, cross section | 0.5 mm ² |
| External diameter | 9 mm |
| Length of cable | 5 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 |
| | 6ES7 326-1BK02-0AB0 |
| | 6ES7 326-1RF00-0AB0 |
| | 6ES7 326-2BF41-0AB0 |
| | 6ES7 326-2BF01-0AB0 |
| | 6ES7 326-2BF10-0AB0 |
| | 6ES7 336-1HE00-0AB0 |

Standards and Regulations

| | |
|----------------------------------|-----|
| Connection in acc. with standard | CUL |
|----------------------------------|-----|

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Standards and Regulations

| | |
|--------------------------|--------------|
| Standards/regulations | DIN EN 50178 |
| | IEC 60664 |
| | IEC 62103 |
| Rated insulation voltage | 260 V AC/DC |
| Degree of pollution | 2 |
| Overvoltage category | III |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27060306 |
| eCl@ss 4.1 | 27060306 |
| eCl@ss 5.0 | 27061801 |
| eCl@ss 5.1 | 27061801 |
| eCl@ss 6.0 | 27061801 |
| eCl@ss 7.0 | 27061801 |
| eCl@ss 8.0 | 27249205 |

ETIM

| | |
|----------|----------|
| ETIM 4.0 | EC000237 |
| ETIM 5.0 | EC000237 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 26121620 |
| UNSPSC 7.0901 | 26121620 |
| UNSPSC 11 | 26121620 |
| UNSPSC 12.01 | 26121620 |
| UNSPSC 13.2 | 26121620 |

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / CSA / cULus Recognized


Ex Approvals


Approvals submitted

Front adapters - VIP-PA-PWR/4X10COMBI/ 5,0M/S7 - 2904709


Approvals

Approval details

UL Recognized 

cUL Recognized 

CSA 

cULus Recognized  us

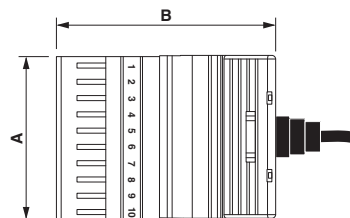
Drawings

Front adapters - VIP-PA-PWR/4X10COMBI/ 5,0M/S7 - 2904709

Connection diagram

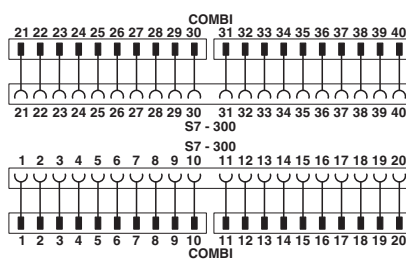
| Pin S7-300 | Wire color | PIN COMBI | |
|------------|------------|-----------|--------|
| 1 | white | 1 | Plug 1 |
| 2 | brown | 2 | |
| 3 | green | 3 | |
| 4 | yellow | 4 | |
| 5 | gray | 5 | |
| 6 | pink | 6 | |
| 7 | blue | 7 | |
| 8 | red | 8 | |
| 9 | black | 9 | |
| 10 | violet | 10 | |
| 11 | white | 11 | Plug 2 |
| 12 | brown | 12 | |
| 13 | green | 13 | |
| 14 | yellow | 14 | |
| 15 | gray | 15 | |
| 16 | pink | 16 | |
| 17 | blue | 17 | |
| 18 | red | 18 | |
| 19 | black | 19 | |
| 20 | violet | 20 | |
| 21 | white | 21 | Plug 3 |
| 22 | brown | 22 | |
| 23 | green | 23 | |
| 24 | yellow | 24 | |
| 25 | gray | 25 | |
| 26 | pink | 26 | |
| 27 | blue | 27 | |
| 28 | red | 28 | |
| 29 | black | 29 | |
| 30 | violet | 30 | |
| 31 | white | 31 | Plug 4 |
| 32 | brown | 32 | |
| 33 | green | 33 | |
| 34 | yellow | 34 | |
| 35 | gray | 35 | |
| 36 | pink | 36 | |
| 37 | blue | 37 | |
| 38 | red | 38 | |
| 39 | black | 39 | |
| 40 | violet | 40 | |

Dimensional drawing



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

Circuit diagram





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| Product | Code | Reference | Product link |
|--|---------|------------------------------|----------------------------|
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