

## Front adapters - VIP-PA-PWR/20XOE/10,0M/S7 - 2904730

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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), cable length: 10 m



### Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356882620

### 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

Standards/regulations	DIN EN 50178 IEC 60664
Rated insulation voltage	260 V
Rated surge voltage	2.3 kV (basic insulation)

# Front adapters - VIP-PA-PWR/20XOE/10,0M/S7 - 2904730

## Technical data

### Standards and Regulations

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	10 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
	6ES7 322-1HH01-0AA0
	6ES7 322-1HF01-0AA0
	6ES7 323-1BH01-0AA0
	6ES7 327-1BH00-0AB0
	6ES7 331-7HF01-0AB0

# Front adapters - VIP-PA-PWR/20XOE/10,0M/S7 - 2904730

## Technical data

### Supported controller

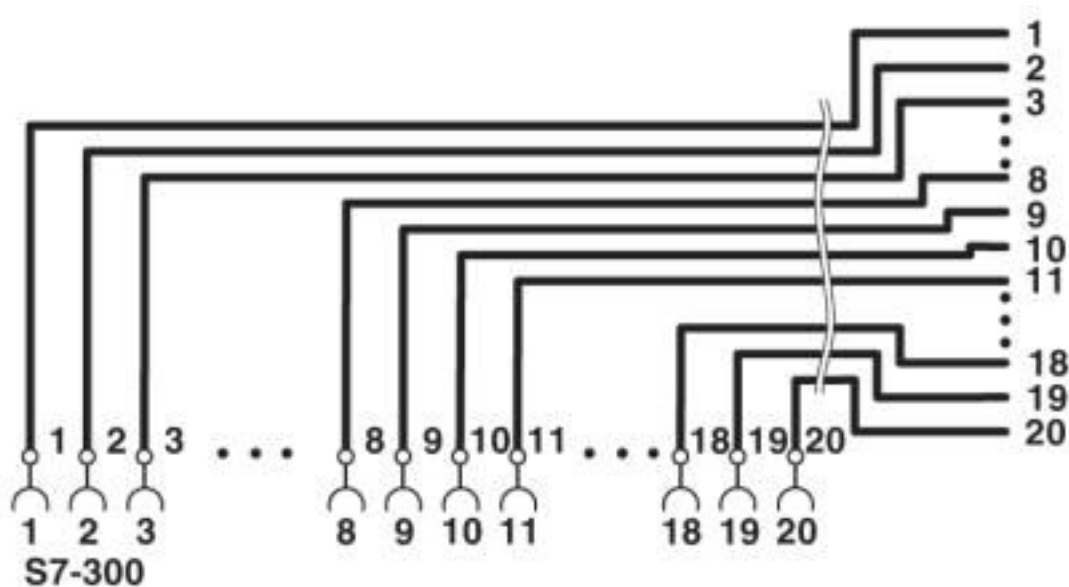
	6ES7 331-7KF02-0AB0
	6ES7 331-7KB02-0AB0
	6ES7 332-7ND02-0AB0
	6ES7 332-5HD01-0AB0
	6ES7 332-5HB01-0AB0
	6ES7 334-0CE01-0AA0
	6ES7 334-0KE00-0AB0
	6ES7 331-7TF01-0AB0
	6ES7 332-8TF01-0AB0
	6ES7 336-4GE00-0AB0

### Environmental Product Compliance

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

## Drawings

Circuit diagram



## Classifications

eCl@ss

eCl@ss 10.0.1	27242292
eCl@ss 4.0	27060300
eCl@ss 4.1	27060300
eCl@ss 5.0	27061800

# Front adapters - VIP-PA-PWR/20XOE/10,0M/S7 - 2904730

## Classifications

### eCl@ss

eCl@ss 5.1	27061800
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- DE.A*30.B00767
-----	--	-------------------------

## Accessories

### Accessories

## Front adapters - VIP-PA-PWR/20XOE/10,0M/S7 - 2904730

### 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

---

##### 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

---

##### 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

---

##### 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

---

##### 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

---

#### Feed-through terminal block

## Front adapters - VIP-PA-PWR/20XOE/10,0M/S7 - 2904730

### 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

---

#### 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

---

#### 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

---

#### 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

---

#### 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/10,0M/S7 - 2904730

### 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

---

#### 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

---

#### 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

---

#### 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

---

#### 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

## Front adapters - VIP-PA-PWR/20XOE/10,0M/S7 - 2904730

### 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

---

#### 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

---

#### 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

---

#### 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

---

### 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/10,0M/S7 - 2904730

### 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

---

#### 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

---

#### 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

---

#### 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

---

#### 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

---

---

Phoenix Contact 2020 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Phoenix Contact:](#)

[2904730](#)