

VIP-PA-PWR/2X10 PT/10,0M/S7 - Front adapter



2905539

<https://www.phoenixcontact.com/us/products/2905539>

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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	2905539
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	CK232S
Catalog page	Page 497 (C-5-2019)
GTIN	4046356960830
Weight per piece (including packing)	2,890 g
Weight per piece (excluding packing)	2,890 g
Country of origin	DE

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Technical data

Product properties

Product type	Front adapter
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Insulation characteristics

Overvoltage category	III
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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	10 m
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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
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Mounting

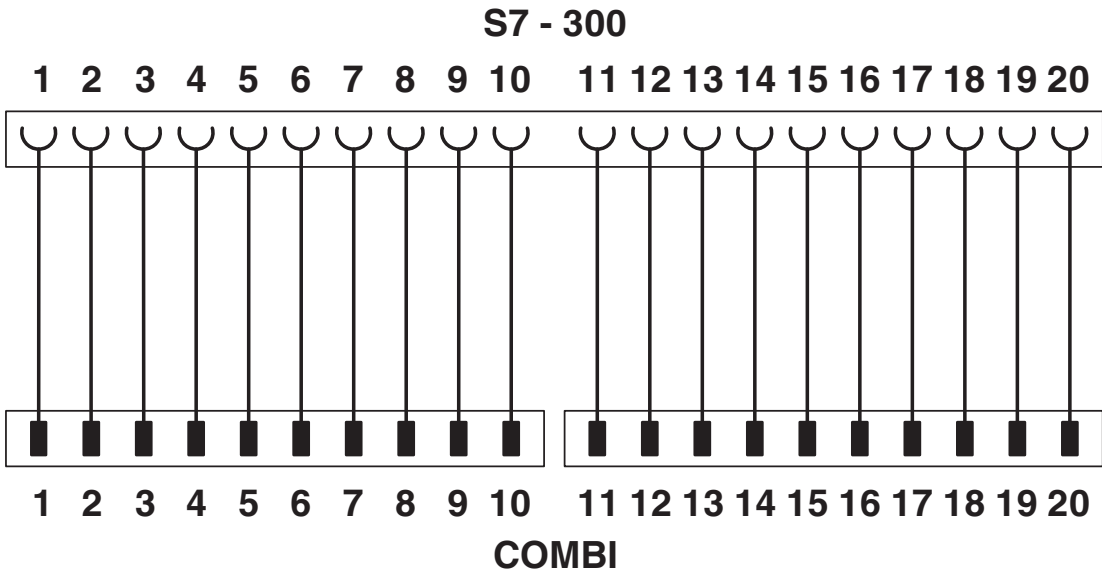
Mounting position	any
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Notes

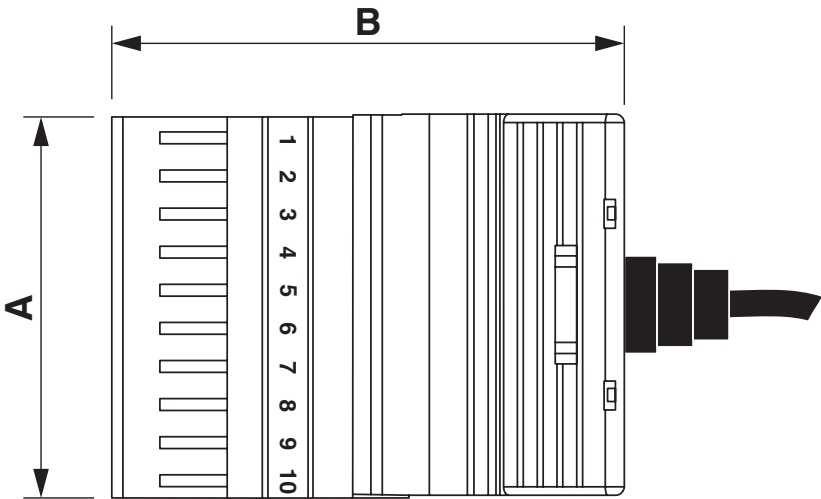
Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.
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Drawings

Circuit diagram



Dimensional drawing



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

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Classifications

ECLASS

ECLASS-11.0	27242292
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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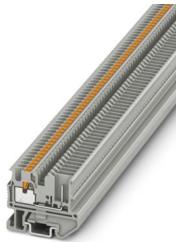
<https://www.phoenixcontact.com/us/products/2905539>

Accessories

MPT 1,5/S/1P - Mini feed-through terminal block

3248115

<https://www.phoenixcontact.com/us/products/3248115>

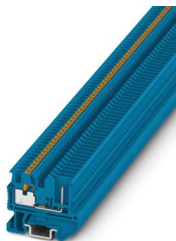


Mini feed-through terminal block, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 2, connection method: Push-in connection, 1 level, Rated cross section: 1.5 mm², cross section: 0.14 mm² - 1.5 mm², mounting type: NS 15, color: gray

MPT 1,5/S/1P BU - Mini feed-through terminal block

3248116

<https://www.phoenixcontact.com/us/products/3248116>



Mini feed-through terminal block, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 2, connection method: Push-in connection, 1 level, Rated cross section: 1.5 mm², cross section: 0.14 mm² - 1.5 mm², mounting type: NS 15, color: blue

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PT 1,5/S/1P - Feed-through terminal block

3208582

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Feed-through terminal block, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 2, connection method: Push-in / plug connection, 1 level, Rated cross section: 1.5 mm², cross section: 0.14 mm² - 1.5 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

PT 1,5/S/1P BU - Feed-through terminal block

3208595

<https://www.phoenixcontact.com/us/products/3208595>



Feed-through terminal block, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 2, connection method: Push-in / plug connection, 1 level, Rated cross section: 1.5 mm², cross section: 0.14 mm² - 1.5 mm², mounting type: NS 35/7,5, NS 35/15, color: blue

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

3212358

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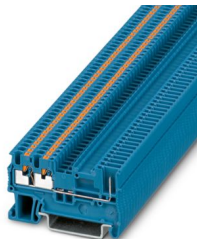


Feed-through terminal block, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 3, number of positions: 1, connection method: Push-in / plug connection, 1 level, Rated cross section: 1.5 mm², cross section: 0.14 mm² - 1.5 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

PT 1,5/S-TWIN/1P BU - Feed-through terminal block

3212361

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Feed-through terminal block, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 3, number of positions: 1, connection method: Push-in / plug connection, 1 level, Rated cross section: 1.5 mm², cross section: 0.14 mm² - 1.5 mm², mounting type: NS 35/7,5, NS 35/15, color: blue

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PT 1,5/S-QUATTRO/2P - Feed-through terminal block

3212390

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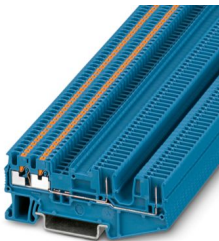


Feed-through terminal block, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 4, connection method: Push-in / plug connection, 1 level, Rated cross section: 1.5 mm², cross section: 0.14 mm² - 1.5 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

PT 1,5/S-QUATTRO/2P BU - Feed-through terminal block

3212400

<https://www.phoenixcontact.com/us/products/3212400>



Feed-through terminal block, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 4, connection method: Push-in / plug connection, 1 level, Rated cross section: 1.5 mm², cross section: 0.14 mm² - 1.5 mm², mounting type: NS 35/7,5, NS 35/15, color: blue

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PTTB 1,5/S/2P - Double-level terminal block

3212439

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Double-level terminal block, Current and voltage are determined by the plug used., nom. voltage: 500 V, nominal current: 16 A, connection method: Push-in / plug connection, 1st and 2nd level, Rated cross section: 1.5 mm², cross section: 0.14 mm² - 1.5 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

PTTB 1,5/S/2P BU - Double-level terminal block

3212442

<https://www.phoenixcontact.com/us/products/3212442>



Double-level terminal block, Current and voltage are determined by the plug used., nom. voltage: 500 V, nominal current: 16 A, connection method: Push-in / plug connection, 1st and 2nd level, Rated cross section: 1.5 mm², cross section: 0.14 mm² - 1.5 mm², mounting type: NS 35/7,5, NS 35/15, color: blue

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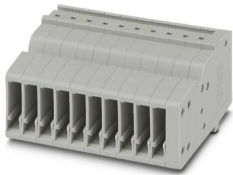
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PPC 1,5/S/10 - COMBI coupling

3213467

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COMBI coupling, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 1, number of positions: 10, connection method: Push-in connection, 1 level, Rated cross section: 1.5 mm², cross section: 0.14 mm² - 1.5 mm², color: gray

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