

## Front adapters - VIP-PA-PWR/4X10COMBI/ 2,5M/S7 - 2904706

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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: 2.5 m

RoHS

### Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356881623

### 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)
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

Connection in acc. with standard	CUL
Standards/regulations	DIN EN 50178 IEC 60664
Rated insulation voltage	260 V
Rated surge voltage	4 kV

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### Technical data

#### Standards and Regulations

Insulation	Basic insulation
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	5.2 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	2.5 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

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### Technical data

#### Supported controller

	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

#### Environmental Product Compliance

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

### Drawings

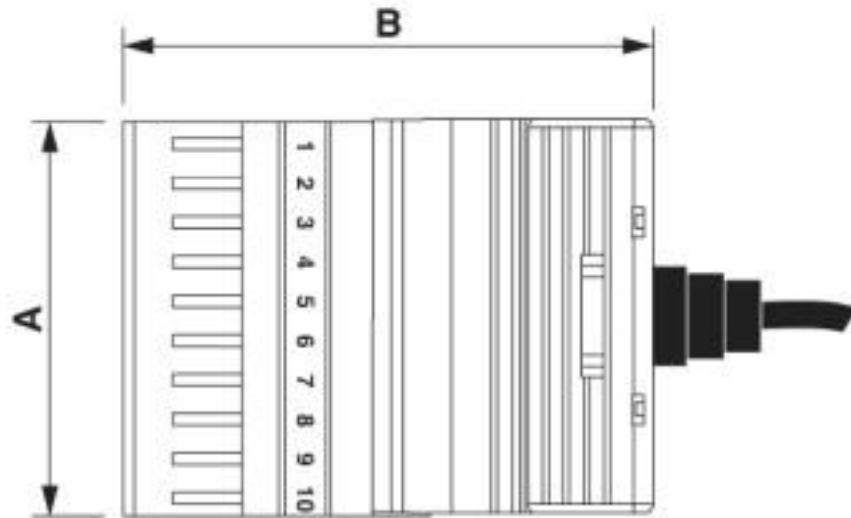
## Front adapters - VIP-PA-PWR/4X10COMBI/ 2,5M/S7 - 2904706

Connection diagram

Pin S7-300	Wire color	PIN COMBI	
1	white	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	Plug 1
11	white	11	
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	Plug 2
21	white	21	
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	Plug 3
31	white	31	
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	Plug 4

# Front adapters - VIP-PA-PWR/4X10COMBI/ 2,5M/S7 - 2904706

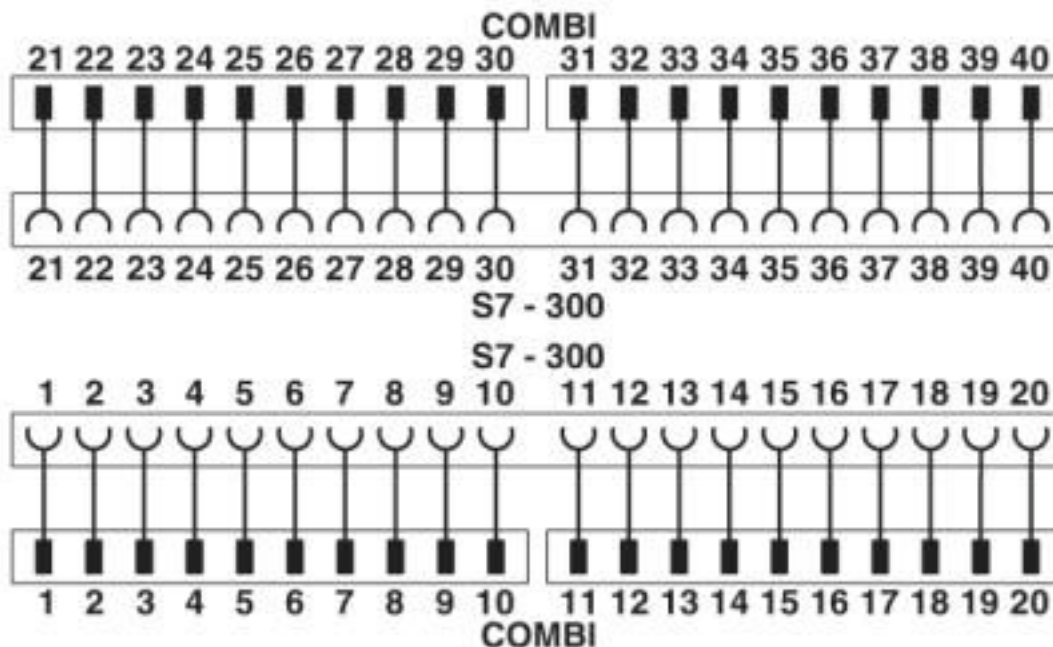
Dimensional drawing



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

## Front adapters - VIP-PA-PWR/4X10COMBI/ 2,5M/S7 - 2904706

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
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

# Front adapters - VIP-PA-PWR/4X10COMBI/ 2,5M/S7 - 2904706

## Classifications

### UNSPSC

UNSPSC 13.2	32151601
UNSPSC 18.0	32151601
UNSPSC 19.0	32151601
UNSPSC 20.0	32151601
UNSPSC 21.0	32151601

## Approvals


### Approvals


#### Approvals


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

#### Ex Approvals

### Approval details

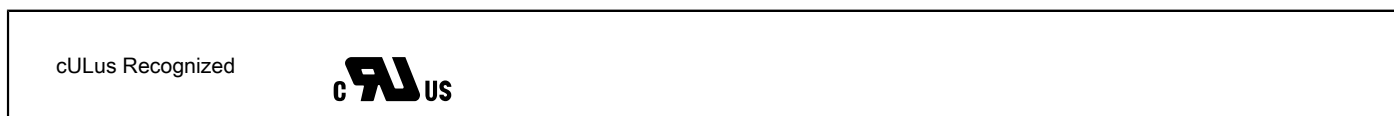
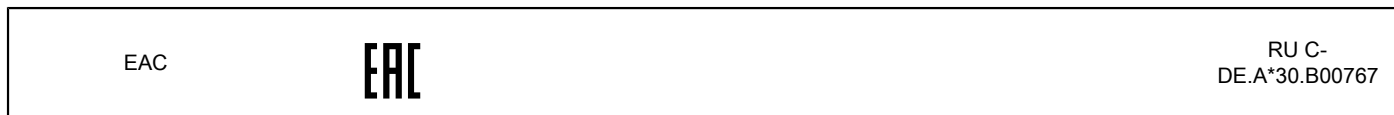
CSA		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	70019651
Nominal voltage UN		250 V	
Nominal current IN		6 A	

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	
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	

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### Approvals



### Accessories

#### Accessories

#### Disconnect terminal block

Knife disconnect terminal block - ST 2,5-TWIN-MT/1P - 3040766



Knife disconnect terminal block, nom. voltage: 400 V, nominal current: 20 A, connection method: Spring-cage/plug-in connection, cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 28 - 12, length: 81 mm, width: 5.2 mm, color: gray, mounting: NS 35/7,5, NS 35/15

Disconnect terminal block - ST 2,5-TWIN-TG/1P - 3040847



Disconnect terminal block, nom. voltage: 400 V, nominal current: 20 A, connection method: Spring-cage/plug-in connection, cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 28 - 12, length: 81 mm, width: 5.2 mm, color: gray, mounting: NS 35/7,5, NS 35/15

#### Multi-level terminal block

Double-level terminal block - PTTB 2,5/2P - 3210871



Double-level terminal block, connection method: Push-in / plug 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 terminal block - PTTB 2,5/2P BU - 3210884



Double-level terminal block, connection method: Push-in / plug connection, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 26 - 12, width: 5.2 mm, color: blue, mounting type: NS 35/7,5, NS 35/15



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### Accessories

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#### PCB headers

Feed-through header - ST 2,5-PCBV/10-G-5,2 - 1980569



ST-COMBI receptacle, plug-in direction vertical to the PCB, pitch: 5.2 mm, no. of positions: 10

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#### Plug-in terminal block

Feed-through terminal block - UT 2,5/1P - 3045017



Feed-through terminal block, nom. voltage: 500 V, nominal current: 24 A, connection method: Screw/plug-in 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, color: gray, mounting type: NS 35/7,5, NS 35/15

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Feed-through terminal block - UT 2,5/1P BU - 3045020



Feed-through terminal block, nom. voltage: 500 V, nominal current: 24 A, connection method: Screw/plug-in 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, color: blue, mounting type: NS 35/7,5, NS 35/15

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Feed-through terminal block - PT 2,5/1P - 3210033



Feed-through terminal block, nom. voltage: 500 V, nominal current: 24 A, connection method: Push-in / plug 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: 35.3 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

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Feed-through terminal block - PT 2,5/1P BU - 3210046



Feed-through terminal block, nom. voltage: 500 V, nominal current: 24 A, connection method: Push-in / plug 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: 35.3 mm, color: blue, mounting type: NS 35/7,5, NS 35/15

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### Accessories

#### Feed-through terminal block - QTC 1,5/ 1P - 3050073



Feed-through terminal block, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Fast/plug-in 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

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#### Feed-through terminal block - QTC 1,5/ 1P BU - 3050086



Feed-through terminal block, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Fast/plug-in 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: blue, mounting type: NS 35/7,5, NS 35/15

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#### Feed-through terminal block - UT 2,5-TWIN/1P - 3060490



Feed-through terminal block, nom. voltage: 500 V, nominal current: 24 A, connection method: Screw/plug-in connection, number of connections: 3, number of positions: 1, 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

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#### Feed-through terminal block - UT 2,5-TWIN/1P BU - 3060500



Feed-through terminal block, nom. voltage: 500 V, nominal current: 24 A, connection method: Screw/plug-in connection, number of connections: 3, number of positions: 1, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 26 - 12, width: 5.2 mm, color: blue, mounting type: NS 35/7,5, NS 35/15

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#### Feed-through terminal block - PT 2,5-TWIN/1P - 3209633



Feed-through terminal block, nom. voltage: 500 V, nominal current: 24 A, connection method: Push-in / plug connection, number of connections: 3, 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: 35.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

## Front adapters - VIP-PA-PWR/4X10COMBI/ 2,5M/S7 - 2904706

### Accessories

Feed-through terminal block - PT 2,5-TWIN/1P BU - 3209646



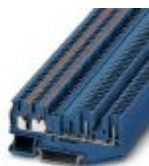
Feed-through terminal block, nom. voltage: 500 V, nominal current: 24 A, connection method: Push-in / plug connection, number of connections: 3, number of positions: 1, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 26 - 12, width: 5.2 mm, height: 35.2 mm, color: blue, mounting type: NS 35/7,5, NS 35/15

Feed-through terminal block - PT 2,5-QUATTRO/2P - 3209662



Feed-through terminal block, nom. voltage: 500 V, nominal current: 24 A, connection method: Push-in / plug connection, number of connections: 4, 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

Feed-through terminal block - PT 2,5-QUATTRO/2P BU - 3209675



Feed-through terminal block, nom. voltage: 500 V, nominal current: 24 A, connection method: Push-in / plug connection, number of connections: 4, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 26 - 12, width: 5.2 mm, color: blue, mounting type: NS 35/7,5, NS 35/15

Double-level terminal block - UTTB 2,5/2P - 3060351



Double-level terminal block, connection method: Screw/plug-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 terminal block - UTTB 2,5/2P BU - 3060364



Double-level terminal block, connection method: Screw/plug-in connection, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 26 - 12, width: 5.2 mm, color: blue, mounting type: NS 35/7,5, NS 35/15

## Front adapters - VIP-PA-PWR/4X10COMBI/ 2,5M/S7 - 2904706

### Accessories

Double-level terminal block - STTB 2,5/2P - 3040054



Double-level terminal block, connection method: Spring-cage/plug-in 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 35/15, NS 35/7,5

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Double-level terminal block - STTB 2,5/2P BU - 3040672



Double-level terminal block, connection method: Spring-cage/plug-in connection, cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 28 - 12, width: 5.2 mm, color: blue, mounting type: NS 35/15, NS 35/7,5

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Double-level terminal block - QTTCB 1,5/ 2P - 3050196



Double-level terminal block, connection method: Fast/plug-in 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

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Double-level terminal block - QTTCB 1,5/ 2P BU - 3050206



Double-level terminal block, connection method: Fast/plug-in connection, cross section: 0.25 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, AWG: 24 - 16, width: 5.2 mm, color: blue, mounting: NS 35/7,5, NS 35/15

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Feed-through terminal block - ST 2,5/2P - 3042133



Feed-through terminal block, nom. voltage: 500 V, nominal current: 24 A, connection method: Spring-cage/plug-in 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

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## Front adapters - VIP-PA-PWR/4X10COMBI/ 2,5M/S7 - 2904706

### Accessories

Feed-through terminal block - ST 2,5/2P BU - 3042094



Feed-through terminal block, nom. voltage: 500 V, nominal current: 24 A, connection method: Spring-cage/plug-in 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: blue, mounting type: NS 35/7,5, NS 35/15

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### Terminal coupling

COMBI receptacle - SC 2,5/10 - 3042311



COMBI receptacle, nom. voltage: 500 V, nominal current: 24 A, connection method: Plug connection, number of connections: 1, number of positions: 10, cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 28 - 12, width: 52 mm, height: 18.8 mm, color: gray

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COMBI receptacle - SC 2,5/10 - 3042311



COMBI receptacle, nom. voltage: 500 V, nominal current: 24 A, connection method: Plug connection, number of connections: 1, number of positions: 10, cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 28 - 12, width: 52 mm, height: 18.8 mm, color: gray

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COMBI receptacle - SC 2,5/10 - 3042311



COMBI receptacle, nom. voltage: 500 V, nominal current: 24 A, connection method: Plug connection, number of connections: 1, number of positions: 10, cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 28 - 12, width: 52 mm, height: 18.8 mm, color: gray

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