

# VIP-PA-PWR/20XOE/ 6,0M/1756 - Front adapter



2908866

<https://www.phoenixcontact.com/us/products/2908866>

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VIP VARIOFACE front adapter, with assembled shielded round cable for ControlLogix® 1756 I/O, 1 x 20 single wires can be connected

## Your advantages

- Individual I/O modules lock to the controller for connection security
- Integrated lever aids in removal from I/O card
- Marking label can be attached
- 1:1 connection
- Open end at one end
- Individual wire marking: 1, 2, 3, 4, etc.
- Individual wires fitted with ferrules
- Shield connection: UL Type AWM, Style 1007 18 AWG (0.82 mm<sup>2</sup>) cable, black, 0.5 m length

## Commercial data

Item number	2908866
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C423
Product key	CK232R
GTIN	4063151468415
Weight per piece (including packing)	1,974 g
Weight per piece (excluding packing)	1,794 g
Customs tariff number	85444290
Country of origin	US

## Technical data

### Product properties

Product type	Front adapter
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### Insulation characteristics

Overvoltage category	II
Pollution degree	2

### Electrical properties

Max. permissible operating voltage	250 V AC/DC
Max. permissible current	3 A (per single wire at 60°C)
	4 A (per single wire at 40°C)

### Supported controller ALLEN-BRADLEY ControlLogix

Suitable I/O card	1756-IA16
	1756-IB16
	1756-OA16
	1756-OA8
	1756-OB16E
	1756-OB8
	1756-OF4
	1756-OF8
	1756-CFM
	1756-IA8D
	1756-IC16
	1756-IG16
	1756-IN16
	1756-IV16
	1756-OA8D
	1756-OA8E
	1756-OC8
	1756-OF8H
	1756-OG16
	1756-ON8
1756-OV16E	
1756-PLS	

### Connection data

#### Controller level

Connection method	Plug-in connection
Note	Can be plugged onto 20-pos. I/O modules

#### Field level

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Connection method	Single wires
Number of connections	20
Number of positions	1
Note	The wires are marked and fitted with ferrules

## Dimensions

### Cable

Length	6 m
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### Cable/line

Number of positions	20
Shielded	yes
Conductor type	Assembled shielded round cable
AWG signal line	18
Conductor cross section	20x 0.82 mm <sup>2</sup>
Wire diameter incl. insulation	1.7 mm ±0.0254
External cable diameter	12.75 mm ±0.3 mm
Outer sheath, material	PVC
External sheath, color	gray
Conductor material	Tin-plated Cu litz wires
Cable resistance	≤ 40 Ω/km (20 °C)
Insulation resistance	≥ 20 MΩ*km (20 °C)
Smallest bending radius, fixed installation	87.4 mm
Smallest bending radius, movable installation	125 mm
Halogen-free	no
Flame resistance	UL VW-1 CSA FT-1

### 1X1.0 [PVC]

Cable type	1X1.0 [PVC]
ControlLogix <sup>®</sup> plug (1)	() = black
ControlLogix <sup>®</sup> plug (2)	() = brown
ControlLogix <sup>®</sup> plug (3)	() = red
ControlLogix <sup>®</sup> plug (4)	() = orange
ControlLogix <sup>®</sup> plug (5)	() = yellow
ControlLogix <sup>®</sup> plug (6)	() = green
ControlLogix <sup>®</sup> plug (7)	() = blue
ControlLogix <sup>®</sup> plug (8)	() = violet
ControlLogix <sup>®</sup> plug (9)	() = gray
ControlLogix <sup>®</sup> plug (10)	() = white
ControlLogix <sup>®</sup> plug (11)	() = white-black
ControlLogix <sup>®</sup> plug (12)	() = white-brown
ControlLogix <sup>®</sup> plug (13)	() = white-red
ControlLogix <sup>®</sup> plug (14)	() = white-orange

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ControlLogix <sup>®</sup> plug (15)	() = white-yellow
ControlLogix <sup>®</sup> plug (16)	() = white-green
ControlLogix <sup>®</sup> plug (17)	() = white-blue
ControlLogix <sup>®</sup> plug (18)	() = white-violet
ControlLogix <sup>®</sup> plug (19)	() = white-gray
ControlLogix <sup>®</sup> plug (20)	() = brown-black
Cable type	Front adapter with cable and 20 open cable ends

## Environmental and real-life conditions

### Ambient conditions

Degree of protection (IP20)	IP20
Ambient temperature (operation)	0 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Altitude	< 2000 m

## Approvals

### UL data

Max. permissible relative humidity (operation)	< 95 %
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## Standards and regulations

Standards/regulations	UL 61010-2-201
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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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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2908866>



**UL Classified**

Approval ID: FILE E238705



**cUL Classified**

Approval ID: FILE E238705



**cUL Recognized**

Approval ID: FILE E196811



**UL Recognized**

Approval ID: FILE E196811

**cULus Classified**

**cULus Recognized**

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## Classifications

### ECLASS

ECLASS-11.0	27242292
ECLASS-12.0	27242292
ECLASS-13.0	27242292

### ETIM

ETIM 9.0	EC002584
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### UNSPSC

UNSPSC 21.0	32151600
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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## Accessories

### KME - Cable marker carrier

0807083

<https://www.phoenixcontact.com/us/products/0807083>



Cable marker carrier, white, unlabeled, mounting type: Assembly with cable ties, cable diameter: > 5 mm, lettering field size: 20 x 8 mm

### UT 2,5 - Feed-through terminal block

3044076

<https://www.phoenixcontact.com/us/products/3044076>



Feed-through terminal block, nom. voltage: 1000 V, nominal current: 24 A, number of connections: 2, connection method: Screw connection, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray



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

3208100

<https://www.phoenixcontact.com/us/products/3208100>



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 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

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## PT 2,5 - Feed-through terminal block

3209510

<https://www.phoenixcontact.com/us/products/3209510>



Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, number of connections: 2, number of positions: 1, connection method: Push-in connection, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

# VIP-PA-PWR/20XOE/ 6,0M/1756 - Front adapter

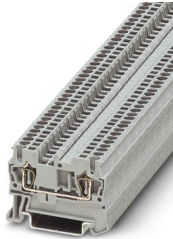
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<https://www.phoenixcontact.com/us/products/2908866>

## ST 1,5 - Feed-through terminal block

3031076

<https://www.phoenixcontact.com/us/products/3031076>



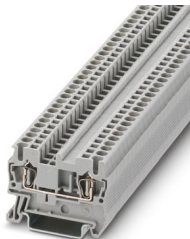
Feed-through terminal block, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 2, connection method: Spring-cage connection, 1 level, Rated cross section: 1.5 mm<sup>2</sup>, cross section: 0.08 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

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## ST 2,5 - Feed-through terminal block

3031212

<https://www.phoenixcontact.com/us/products/3031212>



Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, number of connections: 2, connection method: Spring-cage connection, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

# VIP-PA-PWR/20XOE/ 6,0M/1756 - Front adapter

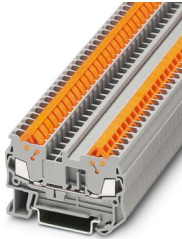
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<https://www.phoenixcontact.com/us/products/2908866>

## QTC 1,5 - Feed-through terminal block

3205019

<https://www.phoenixcontact.com/us/products/3205019>



Feed-through terminal block, nom. voltage: 800 V, nominal current: 17.5 A, number of connections: 2, connection method: Quick connection, 1 level, Rated cross section: 1.5 mm<sup>2</sup>, cross section: 0.25 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

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## QTC 2,5 - Feed-through terminal block

3206416

<https://www.phoenixcontact.com/us/products/3206416>



Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, number of connections: 2, connection method: Quick connection, 1 level, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.5 mm<sup>2</sup> - 2.5 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

# VIP-PA-PWR/20XOE/ 6,0M/1756 - Front adapter

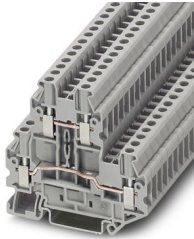
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<https://www.phoenixcontact.com/us/products/2908866>

## UTT 2,5 - Double-level terminal block

3044636

<https://www.phoenixcontact.com/us/products/3044636>



Double-level terminal block, nom. voltage: 500 V, nominal current: 24 A, connection method: Screw connection, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

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## PTTB 1,5/S - Double-level terminal block

3208511

<https://www.phoenixcontact.com/us/products/3208511>



Double-level terminal block, nom. voltage: 500 V, nominal current: 16 A, connection method: Push-in connection, 1st and 2nd level, Rated cross section: 1.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

# VIP-PA-PWR/20XOE/ 6,0M/1756 - Front adapter

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<https://www.phoenixcontact.com/us/products/2908866>

## PTTB 2,5 - Double-level terminal block

3210567

<https://www.phoenixcontact.com/us/products/3210567>



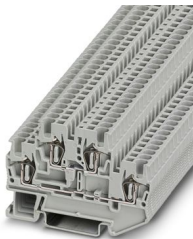
Double-level terminal block, nom. voltage: 500 V, nominal current: 22 A, connection method: Push-in connection, 1st and 2nd level, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

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## STTB 1,5 - Double-level spring-cage terminal block

3031157

<https://www.phoenixcontact.com/us/products/3031157>



Double-level spring-cage terminal block, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Spring-cage connection, 1st and 2nd level, Rated cross section: 1.5 mm<sup>2</sup>, cross section: 0.08 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

# VIP-PA-PWR/20XOE/ 6,0M/1756 - Front adapter

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<https://www.phoenixcontact.com/us/products/2908866>

## STTB 2,5 - Double-level spring-cage terminal block

3031270

<https://www.phoenixcontact.com/us/products/3031270>



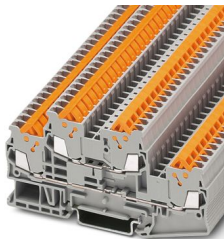
Double-level spring-cage terminal block, nom. voltage: 500 V, nominal current: 22 A, connection method: Spring-cage connection, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

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## QTTCB 1,5 - Double-level terminal block

3205116

<https://www.phoenixcontact.com/us/products/3205116>



Double-level terminal block, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Quick connection, 1st and 2nd level, Rated cross section: 1.5 mm<sup>2</sup>, cross section: 0.25 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

# VIP-PA-PWR/20XOE/ 6,0M/1756 - Front adapter

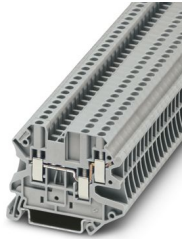
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<https://www.phoenixcontact.com/us/products/2908866>

## UT 2,5-TWIN - Feed-through terminal block

3044513

<https://www.phoenixcontact.com/us/products/3044513>



Feed-through terminal block, nom. voltage: 500 V, nominal current: 24 A, number of connections: 3, connection method: Screw connection, 1 level, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

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

3208155

<https://www.phoenixcontact.com/us/products/3208155>



Feed-through terminal block, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 3, connection method: Push-in connection, 1 level, Rated cross section: 1.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

# VIP-PA-PWR/20XOE/ 6,0M/1756 - Front adapter

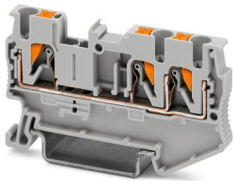
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<https://www.phoenixcontact.com/us/products/2908866>

## PT 2,5-TWIN - Feed-through terminal block

3209549

<https://www.phoenixcontact.com/us/products/3209549>



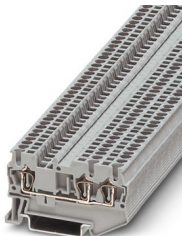
Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, number of connections: 3, connection method: Push-in connection, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

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## ST 1,5-TWIN - Feed-through terminal block

3031128

<https://www.phoenixcontact.com/us/products/3031128>



Feed-through terminal block, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 3, connection method: Spring-cage connection, Rated cross section: 1.5 mm<sup>2</sup>, cross section: 0.08 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray



# VIP-PA-PWR/20XOE/ 6,0M/1756 - Front adapter



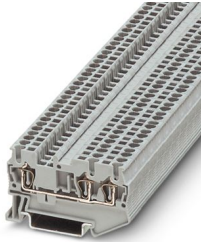
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<https://www.phoenixcontact.com/us/products/2908866>

## ST 2,5-TWIN - Feed-through terminal block

3031241

<https://www.phoenixcontact.com/us/products/3031241>



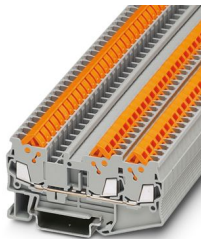
Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, number of connections: 3, connection method: Spring-cage connection, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

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## QTC 1,5-TWIN - Feed-through terminal block

3205048

<https://www.phoenixcontact.com/us/products/3205048>



Feed-through terminal block, nom. voltage: 800 V, nominal current: 17.5 A, number of connections: 3, connection method: Quick connection, 1 level, Rated cross section: 1.5 mm<sup>2</sup>, cross section: 0.25 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/7,5, color: gray

# VIP-PA-PWR/20XOE/ 6,0M/1756 - Front adapter

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## QTC 2,5-TWIN - Feed-through terminal block

3206445

<https://www.phoenixcontact.com/us/products/3206445>



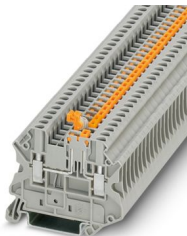
Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, number of connections: 3, connection method: Quick connection, 1 level, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.5 mm<sup>2</sup> - 2.5 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/7,5, color: gray

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## UT 2,5-MT - Knife-disconnect terminal block

3046362

<https://www.phoenixcontact.com/us/products/3046362>



Knife-disconnect terminal block, nom. voltage: 400 V, nominal current: 20 A, Thermal continuous current  $I_{th}$ : 20 A, connection method: Screw connection, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, mounting: NS 35/7,5, NS 35/15, color: gray

# VIP-PA-PWR/20XOE/ 6,0M/1756 - Front adapter

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<https://www.phoenixcontact.com/us/products/2908866>

## PT 2,5-MT - Knife-disconnect terminal block

3210156

<https://www.phoenixcontact.com/us/products/3210156>



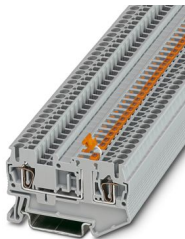
Knife-disconnect terminal block, nom. voltage: 400 V, nominal current: 20 A, connection method: Push-in connection, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, mounting: NS 35/7,5, NS 35/15, color: gray

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## ST 2,5-MT - Knife-disconnect terminal block

3036343

<https://www.phoenixcontact.com/us/products/3036343>



Knife-disconnect terminal block, nom. voltage: 400 V, nominal current: 20 A, 1 level, connection method: Spring-cage connection, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, mounting: NS 35/7,5, NS 35/15, color: gray

# VIP-PA-PWR/20XOE/ 6,0M/1756 - Front adapter

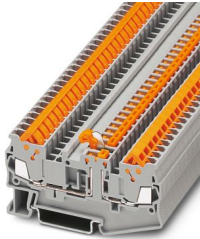
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<https://www.phoenixcontact.com/us/products/2908866>

## QTC 1,5-MT - Knife-disconnect terminal block

3205103

<https://www.phoenixcontact.com/us/products/3205103>



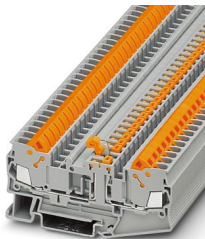
Knife-disconnect terminal block, nom. voltage: 400 V, nominal current: 17.5 A, 1 level, connection method: Quick connection, Rated cross section: 1.5 mm<sup>2</sup>, cross section: 0.25 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, mounting: NS 35/7,5, NS 35/15, color: gray

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## QTC 2,5-MT - Knife-disconnect terminal block

3206487

<https://www.phoenixcontact.com/us/products/3206487>



Knife-disconnect terminal block, nom. voltage: 400 V, nominal current: 20 A, 1 level, connection method: Quick connection, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.5 mm<sup>2</sup> - 2.5 mm<sup>2</sup>, mounting: NS 35/7,5, NS 35/15, color: gray

# VIP-PA-PWR/20XOE/ 6,0M/1756 - Front adapter



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## SF-SL 1,0X5,5-150 - Screwdriver

1212552

<https://www.phoenixcontact.com/us/products/1212552>



Screwdriver, bladed (lasered), size: 1.0 x 5.5 x 150 mm, 2-component grip, with non-slip grip

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## ZBF10:UNBEDRUCKT - Zack Marker strip, flat

0809997

<https://www.phoenixcontact.com/us/products/0809997>



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snapped, for terminal block width: 10 mm, lettering field size: 5.15 x 10 mm, Number of individual labels: 10

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