

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



3211676

<https://www.phoenixcontact.com/us/products/3211676>

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 documentation. Our general terms of use for downloads are valid.



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: blue

## Your advantages

- Time-saving conductor connection thanks to tool-free direct-connection technology
- Convenient plugging with lower insertion force
- High conductor pull-out forces due to the spring design
- Vibration-resistant and maintenance-free conductor connection
- Full flexibility thanks to the standardized CLIPLINE complete bridging, marking, and testing accessories
- Convenient separation of circuits through the implementation of knife disconnection
- Optimized for manual and automated wiring

## Commercial data

Item number	3211676
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE22
Product key	BE2231
GTIN	4046356446495
Weight per piece (including packing)	11.26 g
Weight per piece (excluding packing)	11.26 g
Customs tariff number	85369010
Country of origin	PL

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



3211676

<https://www.phoenixcontact.com/us/products/3211676>

## Technical data

### Product properties

Product type	Disconnect terminal block
Number of positions	1
Number of connections	4
Number of rows	1
Potentials	1

### Insulation characteristics

Overvoltage category	III
----------------------	-----

### Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	0.77 W

### Connection data

Number of connections per level	4
Nominal cross section	2.5 mm <sup>2</sup>
Connection method	Push-in connection
Stripping length	8 mm ... 10 mm
Internal cylindrical gage	A3
Connection in acc. with standard	IEC 60947-7-1
Conductor cross-section rigid	0.14 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Cross section AWG	26 ... 12 (converted acc. to IEC)
Conductor cross-section flexible	0.14 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross-section, flexible [AWG]	26 ... 12 (converted acc. to IEC)
Conductor cross-section flexible ultrasound-compressed	0.34 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross-section, flexible [AWG] ultrasound-compressed	22 ... 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Flexible conductor cross-section (ferrule with plastic sleeve)	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm <sup>2</sup>
Nominal cross section	2.5 mm <sup>2</sup>
Nominal current	20 A
Maximum load current	20 A (with 4 mm <sup>2</sup> conductor cross-section, rigid)
Nominal voltage	400 V

### Connection cross sections directly pluggable

Conductor cross-section rigid	0.34 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Flexible conductor cross-section (ferrule with plastic sleeve)	0.34 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>

### Dimensions

Width	5.2 mm
-------	--------

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



3211676

<https://www.phoenixcontact.com/us/products/3211676>

End cover width	2.2 mm
Height	84 mm
Depth on NS 35/7,5	36.5 mm
Depth on NS 35/15	44 mm

## Material specifications

Color	blue (RAL 5015)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3
Calorimetric heat release NFPA 130 (ASTM E 1354)	27,5 MJ/kg
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed

## Mechanical properties

### Mechanical data

Open side panel	Yes
-----------------	-----

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

## Standards and regulations

Connection in acc. with standard	IEC 60947-7-1
----------------------------------	---------------

## Mounting

Mounting type	NS 35/7,5
	NS 35/15

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

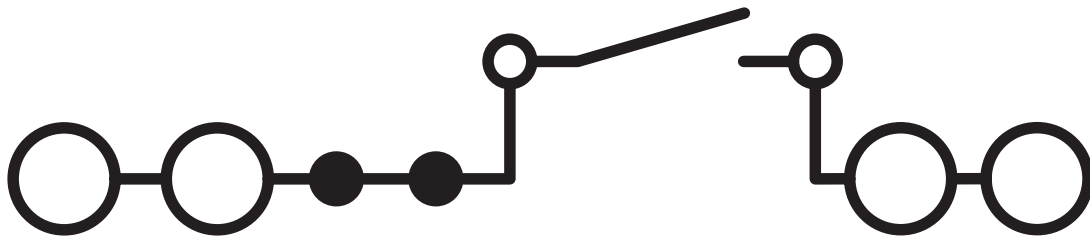


3211676

<https://www.phoenixcontact.com/us/products/3211676>

## Drawings

Circuit diagram



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



3211676

<https://www.phoenixcontact.com/us/products/3211676>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3211676>

**DNV**  
Approval ID: TAE000010T

**CB Scheme** **IECEE CB Scheme**  
Approval ID: DE1-65861

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
keine				
	400 V	20 A	-	0.2 - 2.5

**EAC** **EAC**  
Approval ID: RU C-DE.BL08.B.00644

**cULus Recognized**  
Approval ID: E60425

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
<b>B</b>				
Only flexible conductors	300 V	20 A	26 - 12	-
Only rigid conductors	300 V	16 A	26 - 12	-
<b>C</b>				
Only flexible conductors	300 V	20 A	26 - 12	-
Only rigid conductors	300 V	16 A	26 - 12	-
<b>D</b>				
	600 V	5 A	26 - 12	-

**UL** **LR**  
Approval ID: LR2371832TA

**ClassNK** **NK**  
Approval ID: 14ME0912


**BV**  
Approval ID: 25278/C1 BV

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



3211676

<https://www.phoenixcontact.com/us/products/3211676>

 <b>VDE Zeichengenehmigung</b> Approval ID: 40036792				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	400 V	20 A	-	0.2 - 2.5

 <b>EAC</b> Approval ID: KZ7500651131219505	
---	--

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



3211676

<https://www.phoenixcontact.com/us/products/3211676>

## Classifications

### ECLASS

ECLASS-13.0	27250108
ECLASS-15.0	27250108

### ETIM

ETIM 10.0	EC000902
-----------	----------

### UNSPSC

UNSPSC 21.0	39121400
-------------	----------

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



3211676

<https://www.phoenixcontact.com/us/products/3211676>

## 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%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)