

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



3205226

<https://www.phoenixcontact.com/us/products/3205226>

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: 500 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 35/7,5, color: blue

## Your advantages

- Fast conductor connection thanks to the elimination of conductor pretreatment
- Large-area, gas-tight contact thanks to the automated cutting of the wire insulation
- Convenient separation of circuits through the implementation of knife disconnection
- High contact quality and vibration resistance thanks to the use of high-quality spring contact material
- Secure wiring thanks to lockable swivel lever

## Commercial data

Item number	3205226
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE03
Product key	BE3131
GTIN	4046356057622
Weight per piece (including packing)	12.95 g
Weight per piece (excluding packing)	12.95 g
Customs tariff number	85369010
Country of origin	CN

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



3205226

<https://www.phoenixcontact.com/us/products/3205226>

## Technical data

### Product properties

Product type	Disconnect terminal block
Number of connections	2
Number of rows	1
Potentials	1

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	0.77 W

### Connection data

Number of connections per level	2
Frequency of connections with the same cross section	100
Nominal cross section	2.5 mm <sup>2</sup>

#### 1 level

Connection method	Quick connection
Material wire insulation	PVC / PE
Connection in acc. with standard	IEC 60947-7-1
Conductor cross-section rigid	0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Cross section AWG	20 ... 14 (converted acc. to IEC)
Conductor cross-section flexible	0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section, flexible [AWG]	20 ... 14 (converted acc. to IEC)
Nominal cross section	2.5 mm <sup>2</sup>
Nominal current	20 A
Maximum load current	20 A (with a 2.5 mm <sup>2</sup> conductor cross-section)
Nominal voltage	500 V

### Dimensions

Width	6.2 mm
End cover width	2.2 mm
Height	82.5 mm
Depth on NS 35/7,5	42.8 mm
Depth on NS 35/15	50.3 mm

### Material specifications

Color	blue (RAL 5015)
Flammability rating according to UL 94	V0
Insulating material group	I

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



3205226

<https://www.phoenixcontact.com/us/products/3205226>

Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °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)	28 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

## Cable/line

Wire diameter incl. insulation	3.8 mm
--------------------------------	--------

## Electrical tests

### Surge voltage test

Test voltage setpoint	7.3 kV
Result	Test passed

### Temperature-rise test

Requirement temperature-rise test	Increase in temperature $\leq$ 45 K
Result	Test passed
Short-time withstand current 2.5 mm <sup>2</sup>	0.3 kA
Result	Test passed

### Power-frequency withstand voltage

Test voltage setpoint	1.89 kV
Result	Test passed

## Mechanical properties

### Mechanical data

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

## Mechanical tests

### Mechanical strength

Result	Test passed
--------	-------------

### Attachment on the carrier

DIN rail/fixing support	NS 35
Test force setpoint	1 N
Result	Test passed

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



3205226

<https://www.phoenixcontact.com/us/products/3205226>

## Test for conductor damage and slackening

Rotation speed	10 rpm
Revolutions	135
Conductor cross-section/weight	0.5 mm <sup>2</sup> / 0.3 kg 2.5 mm <sup>2</sup> / 0.7 kg
Result	Test passed

## Environmental and real-life conditions

### Needle-flame test

Time of exposure	30 s
Result	Test passed

### 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 35/7,5
---------------	------------------------

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



3205226

<https://www.phoenixcontact.com/us/products/3205226>

## Drawings

Circuit diagram



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




3205226


<https://www.phoenixcontact.com/us/products/3205226>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3205226>

 <b>CSA</b> Approval ID: 158887				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
B	300 V	15 A	20 - 14	-
C	300 V	15 A	20 - 14	-
D	600 V	5 A	20 - 14	-

 <b>EAC</b> Approval ID: RU C-DE.BL08.B.00539				
---	--	--	--	--

 <b>cULus Recognized</b> Approval ID: E60425				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
B	300 V	15 A	20 - 14	-
C	300 V	15 A	20 - 14	-

<b>DNV</b> Approval ID: TAE000014H				
---------------------------------------	--	--	--	--

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



3205226

<https://www.phoenixcontact.com/us/products/3205226>

## Classifications

### ECLASS

ECLASS-13.0	27250201
ECLASS-15.0	27250201

### ETIM

ETIM 10.0	EC000897
-----------	----------

### UNSPSC

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

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



3205226

<https://www.phoenixcontact.com/us/products/3205226>

## 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)