

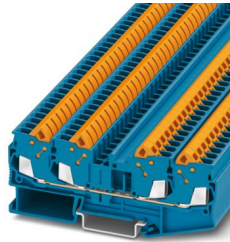
# QTC 2,5-QUATTRO BU - Feed-through terminal block



3206447

<https://www.phoenixcontact.com/us/products/3206447>

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.



Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, number of connections: 4, connection method: Quick connection, Rated cross section: 2.5 mm<sup>2</sup>, 1 level, 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: 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
- High contact quality and vibration resistance thanks to the use of high-quality spring contact material
- Secure wiring thanks to lockable swivel lever
- Full flexibility thanks to the standardized CLIPLINE complete bridging, marking, and testing accessories
- Compact wiring of three conductors in a single terminal block

## Commercial data

Item number	3206447
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE03
Product key	BE3113
GTIN	4046356898539
Weight per piece (including packing)	17.876 g
Weight per piece (excluding packing)	16.5 g
Customs tariff number	85369010
Country of origin	CN

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



3206447

<https://www.phoenixcontact.com/us/products/3206447>

## Technical data

### Product properties

Product type	Multi-conductor terminal block
Product family	QTC
Number of connections	4
Number of rows	1
Potentials	1

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

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

### Connection data

Number of connections per level	4
Frequency of connections with the same cross section	100
Nominal cross section	2.5 mm <sup>2</sup>
Rated cross section AWG	14

### 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 current	24 A (with a 2.5 mm <sup>2</sup> conductor cross-section)
Maximum load current	24 A (at a conductor cross-section of 2.5 mm <sup>2</sup> ; it must not be exceeded by the total current.)
Nominal voltage	800 V
Nominal cross section	2.5 mm <sup>2</sup>
Maximum load current	22.5 A (with a 2.5 mm <sup>2</sup> conductor cross-section)
Nominal voltage	550 V

### Dimensions

Width	6.2 mm
End cover width	2.2 mm
Height	102.4 mm
Depth	37.8 mm
Depth on NS 35/7,5	39.3 mm

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



3206447

<https://www.phoenixcontact.com/us/products/3206447>

Depth on NS 35/15	46.8 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))	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
--------------------------------	--------

## 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 35/7,5

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



3206447

<https://www.phoenixcontact.com/us/products/3206447>

## Drawings

### Circuit diagram



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



3206447

<https://www.phoenixcontact.com/us/products/3206447>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3206447>



**EAC**

Approval ID: RU C-DE.BL08.B.00539



**cULus Recognized**

Approval ID: E60425

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
B				
	600 V	15 A	20 - 14	-
C				
	600 V	15 A	20 - 14	-

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



3206447

<https://www.phoenixcontact.com/us/products/3206447>

## Classifications

### ECLASS

ECLASS-13.0	27250101
ECLASS-15.0	27250101

### ETIM

ETIM 9.0	EC000897
----------	----------

### UNSPSC

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

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



3206447

<https://www.phoenixcontact.com/us/products/3206447>

## 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 2025 © - 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)