

# QTC 1,5-QUATTRO-PE - Protective conductor terminal block

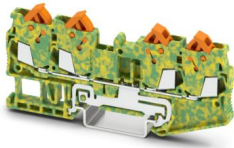


3205093

<https://www.phoenixcontact.com/us/products/3205093>

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.

Protective conductor terminal block, number of connections: 4, connection method: Quick connection, 1 level, 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: green-yellow



## 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
- Meet the requirements of DIN EN 60947-7-2 or IEC 60947-7-2 for protective conductor connections
- High level of safety thanks to the low-resistance connection to the ground potential via the top-hat rail
- Direct contacting with the DIN rail enables fast, error-free grounding without additional wiring effort.
- Full flexibility thanks to the standardized CLIPLINE complete bridging, marking, and testing accessories
- Secure wiring thanks to lockable swivel lever

## Commercial data

Item number	3205093
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE03
Product key	BE3123
GTIN	4017918932480
Weight per piece (including packing)	18.09 g
Weight per piece (excluding packing)	16.46 g
Customs tariff number	85369010
Country of origin	CN

# QTC 1,5-QUATTRO-PE - Protective conductor terminal block



3205093

<https://www.phoenixcontact.com/us/products/3205093>

## Technical data

### Product properties

Product type	Ground terminal block
Product family	QTC
Area of application	Railway industry
	Machine building
	Plant engineering
	Process industry
Number of connections	4
Number of rows	1

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	0.56 W

### Connection data

Grounding foot	Yes
Number of connections per level	4
Frequency of connections with the same cross section	100
Nominal cross section	1.5 mm <sup>2</sup>

### 1 level

Connection method	Quick connection
Note	Please observe the current carrying capacity of the DIN rails.
Material wire insulation	PVC / PE
Connection in acc. with standard	IEC 60947-7-2
Conductor cross-section rigid	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Cross section AWG	24 ... 16 (converted acc. to IEC)
Conductor cross-section flexible	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section, flexible [AWG]	24 ... 16 (converted acc. to IEC)
Cross section, sensor conductors	0.25 mm <sup>2</sup> ... 0.34 mm <sup>2</sup>

### Ex data

#### Rated data (ATEX/IECEx)

Identification	Ⓜ II 2 GD Ex eb IIC Gb
Operating temperature range	-45 °C ... 90 °C
Ex-certified accessories	3205174 D-QTC 1,5-QUATTRO
	1204517 SZF 1-0,6X3,5
	3022276 CLIPFIX 35-5

# QTC 1,5-QUATTRO-PE - Protective conductor terminal block



3205093

<https://www.phoenixcontact.com/us/products/3205093>

	3022218 CLIPFIX 35
output	(Permanent)

## Ex connection data General

Nominal cross section	1.5 mm <sup>2</sup>
Rated cross section AWG	16
Connection capacity rigid	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Connection capacity AWG	24 ... 16
Connection capacity flexible	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Connection capacity AWG	24 ... 16
Frequency of connections with the same cross section	100

## Dimensions

Width	5.2 mm
End cover width	2.2 mm
Height	94 mm
Depth on NS 35/7,5	39.3 mm
Depth on NS 35/15	46.8 mm

## Material specifications

Color	green-yellow
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 mm
--------------------------------	------

## Mechanical properties

### Mechanical data

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

## Environmental and real-life conditions

# QTC 1,5-QUATTRO-PE - Protective conductor terminal block



3205093

<https://www.phoenixcontact.com/us/products/3205093>

## 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 60947-7-2
----------------------------------	---------------

## Mounting

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

# QTC 1,5-QUATTRO-PE - Protective conductor terminal block

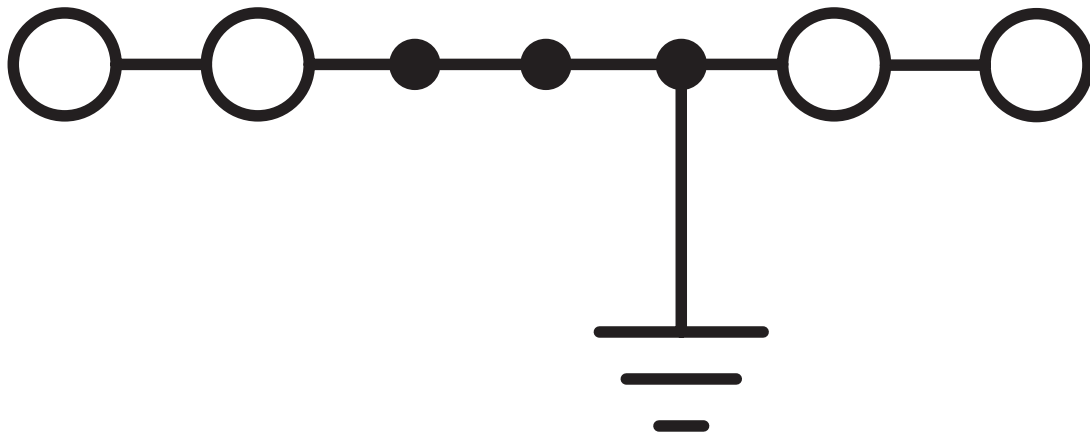


3205093

<https://www.phoenixcontact.com/us/products/3205093>

## Drawings

Circuit diagram



# QTC 1,5-QUATTRO-PE - Protective conductor terminal block





3205093


<https://www.phoenixcontact.com/us/products/3205093>


## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3205093>

 <b>CSA</b> Approval ID: 158887				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
keine				
	-	-	24 - 16	-

 <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 $mm^2$
B				
	-	-	24 - 16	-
C				
	-	-	24 - 16	-


 <b>ClassNK</b>				
--	--	--	--	--

**NK**  
Approval ID: 09 ME 139

<b>ABS</b> Approval ID: 22-2196825-PDA				
---	--	--	--	--

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

 <b>EAC Ex</b> Approval ID: KZ 7500525010101950				
---	--	--	--	--

 <b>IECEx</b> Approval ID: IECExKIWA19.0011U				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
keine				
	-	-	-	0.25 - 1.5


# QTC 1,5-QUATTRO-PE - Protective conductor terminal block




3205093

<https://www.phoenixcontact.com/us/products/3205093>

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
Type examination certificate	-	-	-	0.25 - 1.5

 <b>CCC</b> Approval ID: 2020322313000625
---

 <b>UKCA-EX</b> Approval ID: CSAE 22UKEX1429U
---

# QTC 1,5-QUATTRO-PE - Protective conductor terminal block



3205093

<https://www.phoenixcontact.com/us/products/3205093>

## Classifications

### ECLASS

ECLASS-13.0	27250103
ECLASS-15.0	27250103

### ETIM

ETIM 10.0	EC000901
-----------	----------

### UNSPSC

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

# QTC 1,5-QUATTRO-PE - Protective conductor terminal block



3205093

<https://www.phoenixcontact.com/us/products/3205093>

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

### EF3.1 Climate Change

CO2e kg	0.119 kg CO2e
---------	---------------

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)