

QTTCB 1,5 OG - Double-level terminal block



3205117

<https://www.phoenixcontact.com/us/products/3205117>

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.



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 mm², cross section: 0.25 mm² - 1.5 mm², mounting type: NS 35/7,5, NS 35/15, color: orange

Your advantages

- Ground terminal blocks of the same shape are available
- Tested for railway applications

Commercial data

Item number	3205117
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE03
Product key	BE3114
GTIN	4055626387338
Weight per piece (including packing)	16.658 g
Weight per piece (excluding packing)	16.002 g
Customs tariff number	85369010
Country of origin	CN

QTTCB 1,5 OG - Double-level terminal block



3205117

<https://www.phoenixcontact.com/us/products/3205117>

Technical data

Product properties

Product type	Multi-level terminal block
Area of application	Railway industry
	Machine building
	Plant engineering
	Process industry
Number of connections	4
Number of rows	2
Potentials	2

Data management status

Article revision	04
------------------	----

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	0.56 W

Connection data

Number of connections per level	2
Frequency of connections with the same cross section	100
Nominal cross section	1.5 mm ²

1st and 2nd level

Material wire insulation	PVC / PE
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.25 mm ² ... 1.5 mm ²
Cross section AWG	24 ... 16 (converted acc. to IEC)
Conductor cross section flexible	0.25 mm ² ... 1.5 mm ²
Conductor cross section, flexible [AWG]	24 ... 16 (converted acc. to IEC)
Nominal current	17.5 A
Maximum load current	17.5 A (with 1.5 mm ² conductor cross section)
Nominal voltage	500 V
Nominal cross section	1.5 mm ²

Ex data

Rated data (ATEX/IECEx)

Identification	Ⓔ II 2 GD Ex eb IIC Gb
Operating temperature range	-45 °C ... 90 °C

QTTCB 1,5 OG - Double-level terminal block



3205117

<https://www.phoenixcontact.com/us/products/3205117>

Ex-certified accessories	3205187 D-QTTCB 1,5
	3206238 ATP-QTTCB
	1204517 SZF 1-0,6X3,5
	3022276 CLIPFIX 35-5
	3022218 CLIPFIX 35
List of bridges	Plug-in bridge / FBS 2-5 / 3030161
	Plug-in bridge / FBS 3-5 / 3030174
	Plug-in bridge / FBS 4-5 / 3030187
	Plug-in bridge / FBS 5-5 / 3030190
	Plug-in bridge / FBS 10-5 / 3030213
	Plug-in bridge / FBS 20-5 / 3030226
Bridge data	14.5 A / 1.5 mm ²
Ex temperature increase	40 K (16.7 A/1.5 mm ²)
Rated voltage	440 V
for bridging with bridge	440 V
- At bridging between non-adjacent terminal blocks	352 V
- At cut-to-length bridging with cover	220 V
- At cut-to-length bridging with partition plate	275 V
Rated insulation voltage	400 V
output	(Permanent)

Ex level General

Rated current	15 A
Maximum load current	15 A

Ex connection data General

Nominal cross section	1.5 mm ²
Rated cross section AWG	16
Connection capacity rigid	0.25 mm ² ... 1.5 mm ²
Connection capacity AWG	24 ... 16
Connection capacity flexible	0.25 mm ² ... 1.5 mm ²
Connection capacity AWG	24 ... 16
Frequency of connections with the same cross section	100
output	(Permanent)

Ex level Level 1

Contact resistance	1.4 mΩ
output	(Permanent)

Ex level Level 2

Contact resistance	1 mΩ
--------------------	------

Dimensions

Width	5.2 mm
End cover width	2.2 mm
Height	99.6 mm

QTTCB 1,5 OG - Double-level terminal block



3205117

<https://www.phoenixcontact.com/us/products/3205117>

Depth on NS 35/7,5	49.9 mm
Depth on NS 35/15	57.4 mm

Material specifications

Color	orange (RAL 2003)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA

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

Drawings

Circuit diagram



QTTCB 1,5 OG - Double-level terminal block



3205117

<https://www.phoenixcontact.com/us/products/3205117>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3205117>

 CSA Approval ID: 2030668				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B	300 V	10 A	24 - 16	-
Use group C	300 V	10 A	24 - 16	-
Use group D	600 V	5 A	24 - 16	-

 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 mm^2
Use group B	300 V	10 A	24 - 16	-
Use group C	300 V	10 A	24 - 16	-
Use group D	600 V	5 A	24 - 16	-

 LR Approval ID: LR2002130TA				
---	--	--	--	--

 NK Approval ID: 09 ME 139				
---	--	--	--	--

ABS Approval ID: 22-2196825-PDA				
---	--	--	--	--

DNV Approval ID: TAE000014H				
---------------------------------------	--	--	--	--

QTTCB 1,5 OG - Double-level terminal block



3205117

<https://www.phoenixcontact.com/us/products/3205117>



EAC Ex
Approval ID: RU C-DE.HA91.B.00066

 IECEx Approval ID: IECExKIWA19.0011U				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	440 V	15 A	-	0.25 - 1.5

 ATEX Approval ID: KIWA19ATEX0019U				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Type examination certificate	440 V	15 A	-	0.25 - 1.5



CCC
Approval ID: 2020322313000625



UKCA-EX
Approval ID: CSAE 22UKEX1429U

QTTCB 1,5 OG - Double-level terminal block



3205117

<https://www.phoenixcontact.com/us/products/3205117>

Classifications

ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250102

ETIM

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

UNSPSC

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

QTTCB 1,5 OG - Double-level terminal block



3205117

<https://www.phoenixcontact.com/us/products/3205117>

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 2024 © - 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