

QTTCB 1,5 OG - Double-level terminal block



3205117

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

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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

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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

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	Ex II 2 GD Ex eb IIC Gb
Operating temperature range	-45 °C ... 90 °C
Ex-certified accessories	3205187 D-QTTCB 1,5
	3206238 ATP-QTTCB
	1204517 SZF 1-0,6X3,5

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List of bridges	3022276 CLIPFIX 35-5
	3022218 CLIPFIX 35
	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
Bridge data	Plug-in bridge / FBS 20-5 / 3030226
	14.5 A / 1.5 mm ²
	40 K (16.7 A/1.5 mm ²)
	440 V
	440 V
	352 V
	220 V
Rated voltage	275 V
	400 V
	(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
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Dimensions

Width	5.2 mm
End cover width	2.2 mm
Height	99.6 mm
Depth on NS 35/7,5	49.9 mm
Depth on NS 35/15	57.4 mm

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Material specifications

Color	orange
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA

Mechanical properties

Mechanical data

Open side panel	Yes
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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
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Mounting

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

Drawings

Circuit diagram



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Approvals

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

DNV

Approval ID: TAE000014H



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



LR

Approval ID: LR2002130TA



NK

Approval ID: 09 ME 139



BV

Approval ID: 13637/D0 BV

ABS

Approval ID: 22-2196825-PDA



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				

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	600 V	5 A	24 - 16	-
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 **EAC Ex**
Approval ID: RU C-DE.HA91.B.00066

	IEC Ex 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

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Classifications

ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250102

ETIM

ETIM 9.0	EC000897
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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