

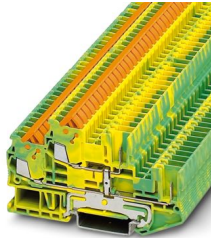
QTTCB 1,5/ 2P-PE - Protective conductor double-level terminal block



3050219

<https://www.phoenixcontact.com/us/products/3050219>

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Protective conductor double-level terminal block, connection method: Fast/plug-in connection, Rated cross section: 1.5 mm², cross section: 0.25 mm² - 1.5 mm², mounting type: NS 35/7,5, NS 35/15, color: green-yellow

Your advantages

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

Commercial data

Item number	3050219
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE03
Product key	BE3142
Catalog page	Page 287 (C-1-2019)
GTIN	4017918975869
Weight per piece (including packing)	17.92 g
Weight per piece (excluding packing)	17.92 g
Customs tariff number	85369010
Country of origin	PL

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Technical data

Notes

General

Note	In plugged-in condition, the most unfavorable paths of the entire plug-in connection are decisive.
	When reconnecting the conductor, you must make sure that the section of the conductor already used for contacting is cut off again.

Product properties

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

Grounding foot	Yes
Number of connections per level	2
Nominal cross section	1.5 mm ²
Note	Please observe the current carrying capacity of the DIN rails.
Material wire insulation	PVC / PE
Internal cylindrical gage	A3
Connection in acc. with standard	IEC 61984
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)
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm ² ... 1.5 mm ²
Cross section, sensor conductors	0.25 mm ² ... 0.34 mm ²
Nominal cross section	1.5 mm ²

Dimensions

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Width	5.2 mm
End cover width	2.2 mm
Height	87.8 mm
Depth on NS 35/7,5	49.9 mm
Depth on NS 35/15	57.4 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)	125 °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

Mechanical properties

Mechanical data

Open side panel	Yes
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Environmental and real-life conditions

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2018-05
Spectrum	Service life test category 1, class B, body mounted
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$
ASD level	$0.964 \text{ (m/s}^2\text{)}^2\text{/Hz}$
Acceleration	0.58g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

Shocks

Pulse shape	Half-sine
Acceleration	5g
Shock duration	30 ms

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Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed

Ambient conditions

Ambient temperature (operation)	-60 °C (max. operating temperature see derating curve)
Temperature when conductor connected	-40 °C ... 100 °C
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, no longer than 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 61984
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Mounting

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

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Classifications

ECLASS

ECLASS-11.0	27141141
ECLASS-13.0	27250104

ETIM

ETIM 9.0	EC000901
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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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