

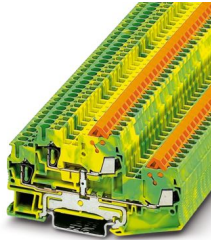
# QTTCBS 1,5-PE - Protective conductor double-level terminal block



3050248

<https://www.phoenixcontact.com/us/products/3050248>

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Protective conductor double-level terminal block, 1 level, connection method: Quick connection, cross section: 0.25 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, connection method: Spring-cage connection, cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, mounting: NS 35/7,5, NS 35/15, color: green-yellow

## Your advantages

- Same shape and pitch as the feed-through terminal blocks
- Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
- All the requirements of standard IEC 60947-7-2 are met

## Commercial data

Item number	3050248
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BE03
Product key	BE3129
Catalog page	Page 261 (C-1-2019)
GTIN	4017918975890
Weight per piece (including packing)	18.599 g
Weight per piece (excluding packing)	18.599 g
Customs tariff number	85369010
Country of origin	PL

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## Technical data

### Product properties

Product type	Ground terminal block
Number of connections	4
Number of rows	2

### Data management status

Article revision	06
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### 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
Frequency of connections with the same cross section	100
Nominal cross section	1.5 mm <sup>2</sup>

#### 1 level

Note	Please observe the current carrying capacity of the DIN rails.
Stripping length	10 mm
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)
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Cross section, sensor conductors	0.25 mm <sup>2</sup> ... 0.34 mm <sup>2</sup>

#### Level 1+2 above 1

Internal cylindrical gage	A3
Connection in acc. with standard	IEC 60947-7-2
Conductor cross section rigid	0.08 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Cross section AWG	28 ... 12 (converted acc. to IEC)
Conductor cross section flexible	0.08 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>

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2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm <sup>2</sup>
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## Dimensions

Width	5.2 mm
End cover width	2.2 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
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## Mechanical properties

### Mechanical data

Open side panel	Yes
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## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-60 °C ... 105 °C (max. short-term operating temperature 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 (storage/transport)	30 % ... 70 %

## Standards and regulations

Connection in acc. with standard	IEC 60947-7-2
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	IEC 60947-7-2
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Mounting

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

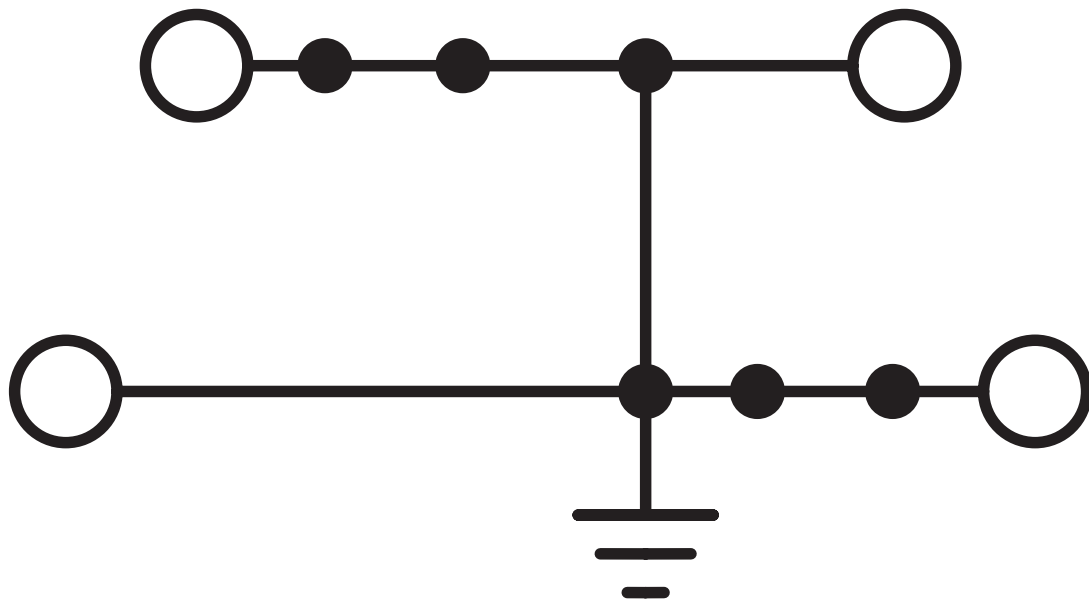
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## Drawings

Circuit diagram



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## Classifications

### ECLASS

ECLASS-11.0	27141141
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### ETIM

ETIM 8.0	EC000901
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### UNSPSC

UNSPSC 21.0	39121400
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## 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%

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