


# QTC 2,5-HESILA 250 (5X20) - Fuse modular terminal block



3050387  
<https://www.phoenixcontact.com/us/products/3050387>

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Fuse modular terminal block, fuse type: Glass / ceramics / ..., fuse type: G / 5 x 20, nom. voltage: 250 V, nominal current: 6.3 A, connection method: Quick connection, 1 level, Rated cross section: 1.5 mm<sup>2</sup>, cross section: 0.5 mm<sup>2</sup>- 2.5 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: black

### Your advantages

- An extremely compact design
- Test pick-off on both sides in the fuse lever
- Tested for railway applications

### Commercial data

Item number	3050387
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE03
Product key	BE3134
Catalog page	Page 264 (C-1-2019)
GTIN	4046356056229
Weight per piece (including packing)	17.99 g
Weight per piece (excluding packing)	17.99 g
Customs tariff number	85369095
Country of origin	CN

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## Technical data

### Notes

General	The current is determined by the fuse used, the voltage by the selected LED. If the fuse is faulty, the downstream circuit will not be disconnected.
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### Product properties

Product type	Fuse terminal block
Area of application	Railway industry
	Machine building
	Plant engineering
Number of connections	2
Number of rows	1
Potentials	1

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Fuse type	Glass / ceramics / ...
Rated surge voltage	4 kV
Maximum power dissipation for nominal condition	0.77 W
Fuse	G / 5 x 20
LED voltage range	110 V AC/DC ... 250 V AC/DC
LED current range	0.41 mA ... 0.96 mA
Maximum power dissipation	max. 1.6 W (with single arrangement of the fuse terminal block in the event of overload)
	max. 1.6 W (With interconnected arrangement of several fuse terminal blocks in the event of overload)
	max. 4 W (with single arrangement of the fuse terminal block in the event of a short-circuit)
	max. 2.5 W (With interconnected arrangement of several fuse terminal blocks in the event of a short-circuit)

### Input data

LED voltage range	110 V AC/DC ... 250 V AC/DC
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### Connection data

Number of connections per level	2
Frequency of connections with the same cross section	100.00
Nominal cross section	2.5 mm <sup>2</sup>

### 1 level

Connection in acc. with standard	IEC 60947-7-3
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Conductor cross section rigid	0.5 mm² ... 2.5 mm²
Cross section AWG	20 ... 14 (converted acc. to IEC)
Conductor cross section flexible	0.5 mm² ... 2.5 mm²
Conductor cross section, flexible [AWG]	20 ... 14 (converted acc. to IEC)
Nominal current	6.3 A
Maximum load current	6.3 A (the current is determined by the fuse used)
Nominal voltage	250 V
Nominal cross section	1.5 mm²

## Dimensions

Width	6.2 mm
End cover width	2.2 mm
Height	82.5 mm
Depth on NS 35/7,5	64.9 mm
Depth on NS 35/15	72.4 mm

## Material specifications

Color	black (RAL 9005)
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	3.8 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 ... 110 °C (Operating temperature range incl. self-heating;
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	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 60947-7-3
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## Mounting

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

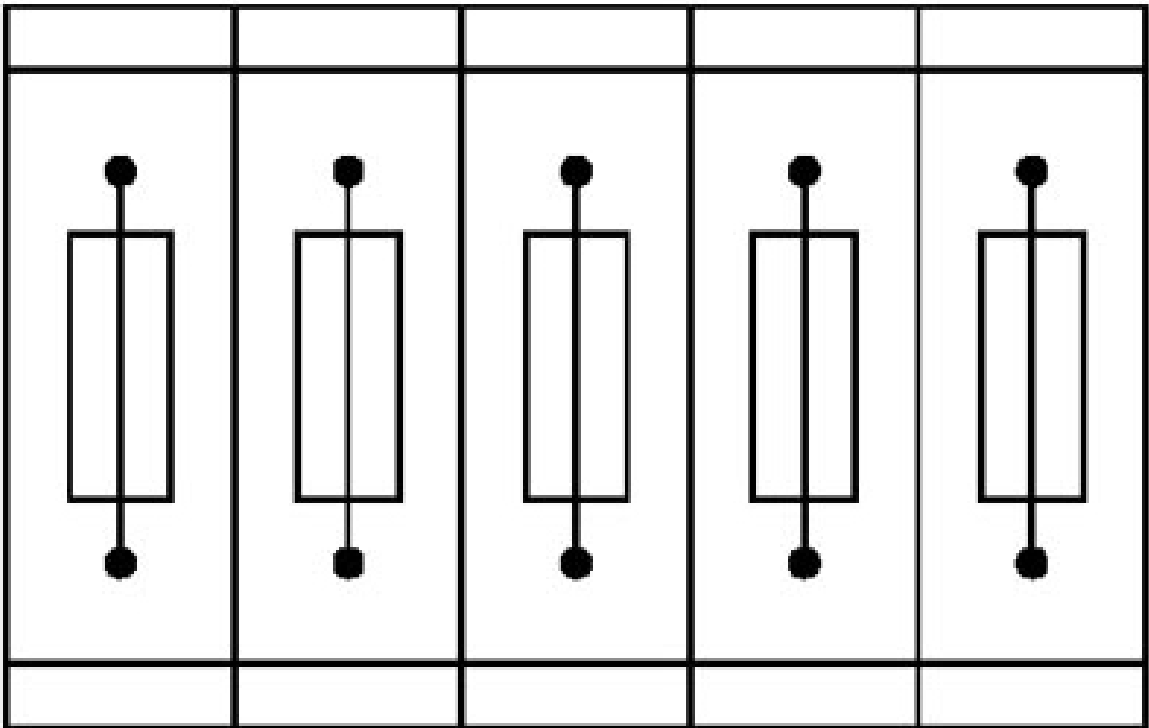
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Drawings

Application drawing



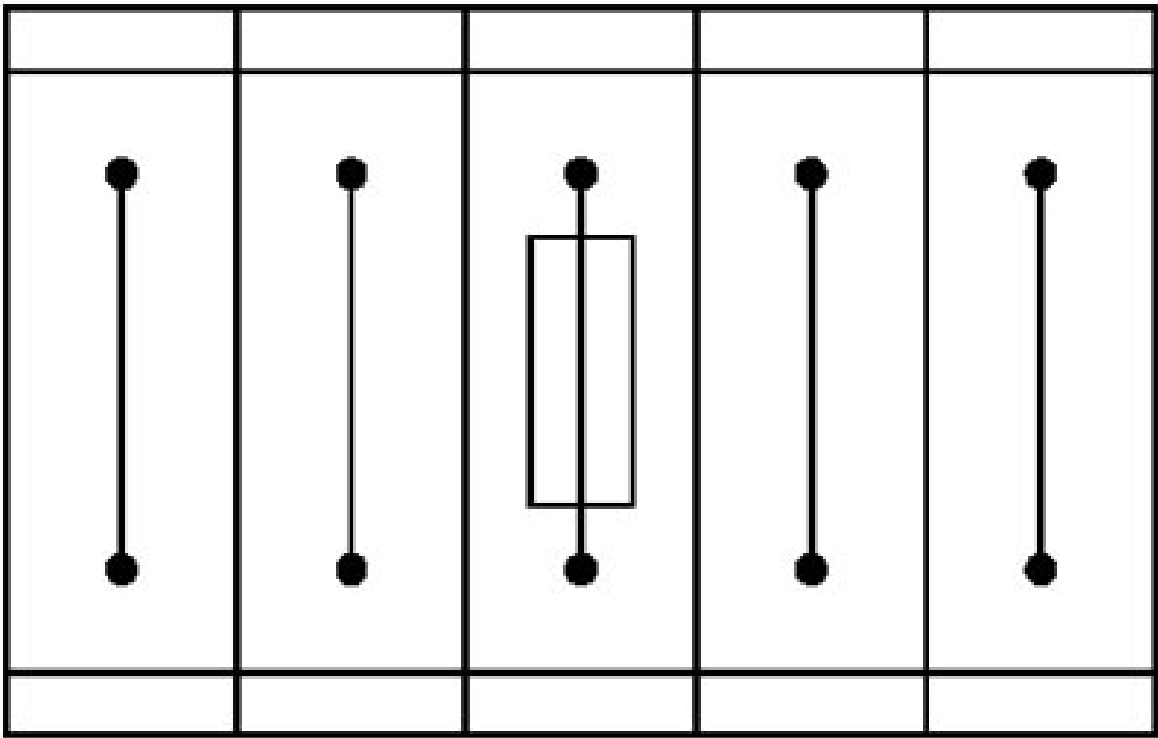
Fuse terminal blocks in interconnected arrangement,  
block consisting of 5 fuse terminal blocks

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Application drawing



Fuse terminal block in single arrangement,  
block consisting of one fuse terminal block and 4 feed-through terminal blocks

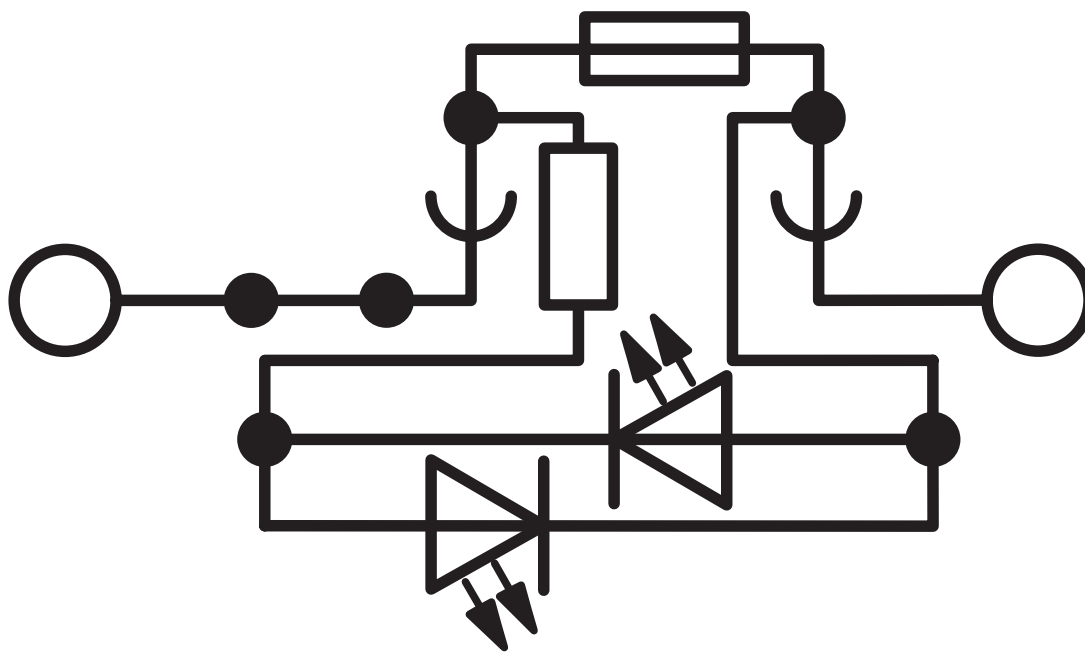
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Circuit diagram



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3050387>

<b>CSA</b> Approval ID: 2030668				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
Use group B				
	300 V	10 A	20 - 14	-
Use group C				
	300 V	10 A	20 - 14	-

<b>IECEE CB Scheme</b> Approval ID: NL-65057				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	500 V	6.3 A	-	0.5 - 2.5

<b>EAC</b> Approval ID: RU C-DE.BL08.B.00539				
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<b>cULus Recognized</b> Approval ID: E60425				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
Use group B				
	300 V	15 A	20 - 14	-
Use group C				
	300 V	15 A	20 - 14	-

<b>KEMA-KEUR</b> Approval ID: 71-113330				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	500 V	6.3 A	-	0.5 - 2.5

<b>ClassNK</b> Approval ID: 09 ME 139				
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<b>ABS</b> Approval ID: 22-2196825-PDA				
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**DNV**

Approval ID: TAE000014H

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Classifications

ECLASS

ECLASS-13.0	27250113
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ETIM

ETIM 9.0	EC000899
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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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