

# TB 150 I BU - Feed-through terminal block



3251204

<https://www.phoenixcontact.com/sg/products/3251204>

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Feed-through terminal block, nom. voltage: 1000 V, nominal current: 309 A, number of connections: 2, connection method: Screw connection, Rated cross section: 150 mm<sup>2</sup>, cross section: 35 mm<sup>2</sup> - 150 mm<sup>2</sup>, mounting type: NS 35/15, NS 32, color: blue

## Your advantages

- Reliable cable connection is ensured by three-point centering of the conductor in the prismatic sleeve base
- Low contact resistance of the contact surface due to ribbing
- Screw locking by means of spring-loaded elements in the clamping part

## Commercial data

Item number	3251204
Packing unit	3 pc
Minimum order quantity	3 pc
Sales key	*****
Product key	BEK311
GTIN	4046356951104
Weight per piece (including packing)	363.1 g
Weight per piece (excluding packing)	362.9 g
Customs tariff number	85369010
Country of origin	IN

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## Technical data

### Product properties

Product type	High current terminal block
Number of connections	2
Number of rows	1
Potentials	1

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	9.55 W

### Connection data

Number of connections per level	2
Nominal cross section	150 mm <sup>2</sup>
Screw thread	M10
Note	Screws with hexagonal socket
Tightening torque	25 ... 30 Nm
Stripping length	40 mm
Internal cylindrical gage	B14
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	35 mm <sup>2</sup> ... 150 mm <sup>2</sup>
Cross section AWG	1/0 ... 250 kcmil (converted acc. to IEC)
Conductor cross section flexible	50 mm <sup>2</sup> ... 150 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	1/0 ... 250 kcmil (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	50 mm <sup>2</sup> ... 150 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	50 mm <sup>2</sup> ... 150 mm <sup>2</sup>
Cross-section with insertion bridge, rigid	150 mm <sup>2</sup>
Cross-section with insertion bridge, flexible	120 mm <sup>2</sup>
2 conductors with same cross section, solid	25 mm <sup>2</sup> ... 50 mm <sup>2</sup>
2 conductors with same cross section, flexible	35 mm <sup>2</sup> ... 50 mm <sup>2</sup>
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	25 mm <sup>2</sup> ... 50 mm <sup>2</sup>
Nominal current	309 A
Maximum load current	309 A (with 150 mm <sup>2</sup> conductor cross section)
Nominal voltage	1000 V
Nominal cross section	150 mm <sup>2</sup>

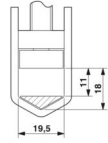
### Dimensions

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Dimensional drawing	
Width	31 mm
Height	100 mm
Depth	107.3 mm
Depth on NS 32	116 mm
Depth on NS 35/15	118.5 mm

## Material specifications

Color	blue (RAL 5015)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA

## Mechanical properties

### Mechanical data

Open side panel	No
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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 35/15
	NS 32

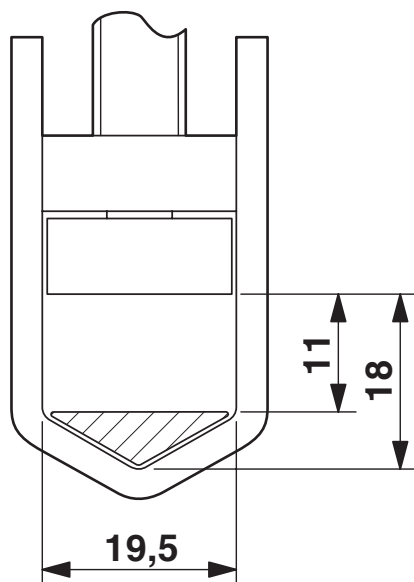
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## Drawings

Dimensional drawing



Circuit diagram



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/sg/products/3251204>



**EAC**

Approval ID: EACKZ 08593

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## Classifications

### ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250101

### ETIM

ETIM 9.0	EC000897
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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
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### 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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