TB 150 I BU - Feed-through terminal block

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^2, cross section: 35 mm^2 - 150 mm^2, 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	BEK311
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

Technical data

Product properties

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

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

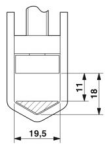
Electrical properties

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 mm²
Connection method	Screw connection
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 mm² ... 150 mm²
Cross section AWG	1/0 ... 250 kcmil (converted acc. to IEC)
Conductor cross-section flexible	50 mm² ... 150 mm²
Conductor cross-section, flexible [AWG]	1/0 ... 250 kcmil (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	50 mm² ... 150 mm²
Flexible conductor cross-section (ferrule with plastic sleeve)	50 mm² ... 150 mm²
Cross-section with insertion bridge, rigid	150 mm²
Cross-section with insertion bridge, flexible	120 mm²
2 conductors with same cross section, rigid	25 mm² ... 50 mm²
2 conductors with same cross section, flexible	35 mm² ... 50 mm²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	25 mm² ... 50 mm²
Nominal cross section	150 mm²
Nominal current	309 A
Maximum load current	309 A (with 150 mm² conductor cross-section)
Nominal voltage	1000 V

Dimensions

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

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

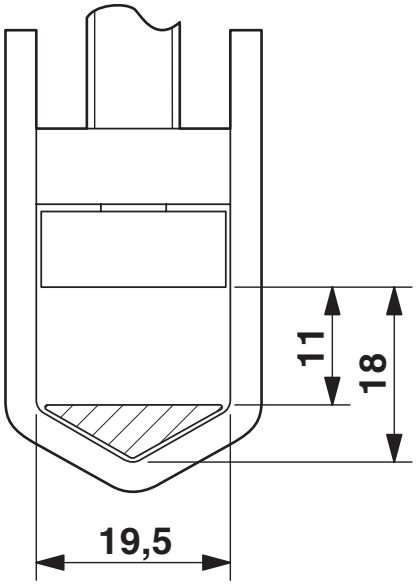
Connection in acc. with standard	IEC 60947-7-1

Mounting

Mounting type	NS 35/15
	NS 32

Drawings

Dimensional drawing



Circuit diagram



Approvals

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

EAC
Approval ID: KZ7500651131219505

Classifications

ECLASS

ECLASS-13.0	27250101
ECLASS-15.0	27250101

ETIM

ETIM 10.0	EC000897

UNSPSC

UNSPSC 21.0	39121400

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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