

TB 35 EI BU - Feed-through terminal block



3214165

<https://www.phoenixcontact.com/fr/products/3214165>

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Feed-through terminal block, nom. voltage: 1000 V, nominal current: 125 A, number of connections: 2, connection method: Screw connection, Rated cross section: 35 mm², cross section: 10 mm² - 35 mm², mounting type: NS 35/7,5, NS 35/15, color: blue

Commercial data

Item number	3214165
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BEK211
Product key	BEK211
GTIN	4046356569446
Weight per piece (including packing)	50.18 g
Weight per piece (excluding packing)	50.18 g
Customs tariff number	85369010
Country of origin	IN

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Technical data

Product properties

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	4.06 W

Connection data

Number of connections per level	2
Nominal cross section	35 mm ²
Connection method	Screw connection
Screw thread	M6
Tightening torque	3.2 ... 3.7 Nm
Stripping length	16 mm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross-section rigid	10 mm ² ... 35 mm ²
Cross section AWG	6 ... 2 (converted acc. to IEC)
Conductor cross-section flexible	10 mm ² ... 35 mm ²
Conductor cross-section, flexible [AWG]	6 ... 2 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	10 mm ² ... 35 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	10 mm ² ... 35 mm ²
Nominal current	125 A
Maximum load current	125 A (with 35 mm ² conductor cross-section)
Nominal voltage	1000 V
Nominal cross section	35 mm ²

Dimensions

Width	15.2 mm
Height	53.5 mm
Depth on NS 35/7,5	62.1 mm
Depth on NS 35/15	69.6 mm

Material specifications

Color	blue (RAL 5015)
Flammability rating according to UL 94	V0

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Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °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
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

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 35/7,5
	NS 35/15

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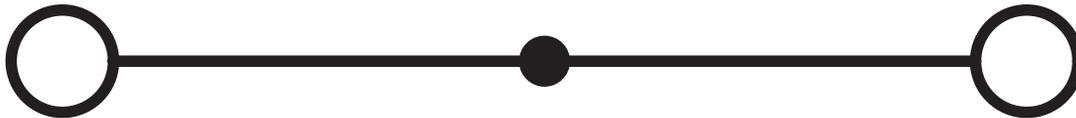
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Drawings

Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/fr/products/3214165>

 cULus Recognized Approval ID: E60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B	600 V	115 A	8 - 2	-
C	600 V	115 A	8 - 2	-

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Classifications

ECLASS

ECLASS-13.0	27250101
ECLASS-15.0	27250101

ETIM

ETIM 9.0	EC000897
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UNSPSC

UNSPSC 21.0	39121410
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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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