

# TB 35 EI - Feed-through terminal block



5792173

<https://www.phoenixcontact.com/in/products/5792173>

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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 mm<sup>2</sup>, cross section: 10 mm<sup>2</sup> - 35 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: dark gray

## Commercial data

Item number	5792173
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE1
Product key	BEK211
GTIN	4046356501750
Weight per piece (including packing)	49.275 g
Weight per piece (excluding packing)	49.275 g
Customs tariff number	39269098
Country of origin	IN

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## Technical data

### Product properties

Product type	Feed-through terminal block
Number of connections	2
Number of rows	1
Potentials	1

### Data management status

Article revision	07
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### 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 <sup>2</sup>
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 <sup>2</sup> ... 35 mm <sup>2</sup>
Cross section AWG	6 ... 2 (converted acc. to IEC)
Conductor cross section flexible	10 mm <sup>2</sup> ... 35 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	6 ... 2 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	10 mm <sup>2</sup> ... 35 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	10 mm <sup>2</sup> ... 35 mm <sup>2</sup>
Nominal current	125 A
Maximum load current	125 A (with 35 mm <sup>2</sup> conductor cross section)
Nominal voltage	1000 V
Note	Checked at 1100 V
Nominal cross section	35 mm <sup>2</sup>

### 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

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Color	traffic grey B (RAL 7043)
Flammability rating according to UL 94	V0
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, no longer than 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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## Drawings

### Circuit diagram



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/in/products/5792173>

 <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	600 V	115 A	8 - 2	-
Use group C	600 V	115 A	8 - 2	-

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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	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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## Accessories

### SCBI 2-15 - Fixed bridge

3246162

<https://www.phoenixcontact.com/in/products/3246162>



Fixed bridge, with insulating collar, number of positions: 2, color: silver

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### SCBI 3-15 - Fixed bridge

3246573

<https://www.phoenixcontact.com/in/products/3246573>



Fixed bridge, with insulating collar, number of positions: 3, color: silver



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## SCBI 5-15 - Fixed bridge

3246612

<https://www.phoenixcontact.com/in/products/3246612>

Fixed bridge, with insulating collar, number of positions: 5, color: silver



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## INB 2-15 - Insertion bridge

3246227

<https://www.phoenixcontact.com/in/products/3246227>

Insertion bridge, pitch: 15 mm, number of positions: 2, color: gray



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## D-TB 35 E - End cover

5793005

<https://www.phoenixcontact.com/in/products/5793005>



End cover, depth: 54.4 mm, width: 2.2 mm, height: 53.4 mm, color: dark gray

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## NS 32 PERF 2000MM-VPE 10 - DIN rail perforated

1201002

<https://www.phoenixcontact.com/in/products/1201002>



DIN rail perforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, G profile, color: silver

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## NS 32 UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1201015

<https://www.phoenixcontact.com/in/products/1201015>



DIN rail, unperforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, G profile, color: silver

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## PS-MT - Test plug

0311647

<https://www.phoenixcontact.com/in/products/0311647>



Test plug, number of positions: 1, color: silver

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## PS-IH WH - Insulating sleeve

0311566

<https://www.phoenixcontact.com/in/products/0311566>



Insulating sleeve, number of positions: 1, color: white

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## PS-IH RD - Insulating sleeve

0311579

<https://www.phoenixcontact.com/in/products/0311579>



Insulating sleeve, number of positions: 1, color: red

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## PS-IH BU - Insulating sleeve

0311582

<https://www.phoenixcontact.com/in/products/0311582>



Insulating sleeve, number of positions: 1, color: blue

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## PS-IH YE - Insulating sleeve

0311595

<https://www.phoenixcontact.com/in/products/0311595>



Insulating sleeve, number of positions: 1, color: yellow

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## PS-IH GN - Insulating sleeve

0311605

<https://www.phoenixcontact.com/in/products/0311605>



Insulating sleeve, number of positions: 1, color: green

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## PS-IH GY - Insulating sleeve

0311621

<https://www.phoenixcontact.com/in/products/0311621>



Insulating sleeve, number of positions: 1, color: gray

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## PS-IH BK - Insulating sleeve

0311634

<https://www.phoenixcontact.com/in/products/0311634>



Insulating sleeve, number of positions: 1, color: black

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## PS-IH VT - Insulating sleeve

0311618

<https://www.phoenixcontact.com/in/products/0311618>



Insulating sleeve, number of positions: 1, color: violet

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## SZS 1,0X6,5 VDE - Screwdriver

1205079

<https://www.phoenixcontact.com/in/products/1205079>



Screwdriver, slot-headed, VDE insulated, size: 1.0 x 6.5 x 150 mm, 2-component grip, with non-slip grip

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## E/TB - End bracket

3246966

<https://www.phoenixcontact.com/in/products/3246966>



End clamp, for assembly on NS 32 or NS 35/7.5 DIN rail

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