

# UDB 2X35/25 BU - Trunk line branch terminal



3071353

<https://www.phoenixcontact.com/us/products/3071353>

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Trunk line branch terminal, nom. voltage: 400 V, nominal current: 125 A, number of connections: 4, number of positions: 1, connection method: Screw connection, Rated cross section: 35 mm<sup>2</sup>, 1 level, cross section: 10 mm<sup>2</sup> - 35 mm<sup>2</sup>, Screw connection, 2nd level, cross section: 1.5 mm<sup>2</sup> - 25 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: blue

## Your advantages

- The branch terminal is suitable for the simple voltage pick-off of main supply cables
- Conformance with DIN VDE 0603-2/EN 60998-1

## Commercial data

Item number	3071353
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	BE12
Product key	BE1213
GTIN	4046356735988
Weight per piece (including packing)	80.03 g
Weight per piece (excluding packing)	80.03 g
Customs tariff number	85369010
Country of origin	DE

## Technical data

### Product properties

Product type	Feed-through terminal block
Product family	UDB
Number of positions	1
Number of connections	4
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	4
Nominal cross section	35 mm <sup>2</sup>

#### 1 level

Connection method	Screw connection
Screw thread	M6/M8
Tightening torque	... 4 Nm
Stripping length	25 mm
Connection in acc. with standard	IEC 60998-1
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> ... 25 mm <sup>2</sup>
Conductor cross-section, flexible [AWG]	6 ... 4 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	10 mm <sup>2</sup> ... 25 mm <sup>2</sup>
Flexible conductor cross-section (ferrule with plastic sleeve)	10 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Nominal cross section	35 mm <sup>2</sup>
Nominal current	125 A
Maximum load current	125 A
Nominal voltage	400 V (max. 1000 V)
Note	Use ferrules for stranded conductors

#### 2nd level

Connection method	Screw connection
Stripping length	25 mm
Connection in acc. with standard	IEC 60998-1
Conductor cross-section rigid	1.5 mm <sup>2</sup> ... 25 mm <sup>2</sup>

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Conductor cross-section flexible (ferrule without plastic sleeve)	1.5 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Flexible conductor cross-section (ferrule with plastic sleeve)	1.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>

## Dimensions

Width	27 mm
Height	55 mm
Depth on NS 35/7,5	46 mm
Depth on NS 35/15	53.5 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 60998-1
	IEC 60998-1

## Mounting

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

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## Drawings

### Circuit diagram



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## Approvals

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**EAC**

Approval ID: KZ7500651131219505



**VDE Zeichengenehmigung**

Approval ID: 40055082

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## Classifications

### ECLASS

ECLASS-13.0	27250119
ECLASS-15.0	27250119

### ETIM

ETIM 10.0	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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### EF3.1 Climate Change

CO2e kg	0.418 kg CO2e
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