

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



3071351

<https://www.phoenixcontact.com/us/products/3071351>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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: black

## 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	3071351
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	BE12
Product key	BE1213
GTIN	4046356735865
Weight per piece (including packing)	79.98 g
Weight per piece (excluding packing)	79.98 g
Customs tariff number	85369010
Country of origin	DE

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



3071351

<https://www.phoenixcontact.com/us/products/3071351>

## 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>

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



3071351

<https://www.phoenixcontact.com/us/products/3071351>

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	black (RAL 9005)
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 60998-1
	IEC 60998-1

## Mounting

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

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



3071351

<https://www.phoenixcontact.com/us/products/3071351>

## Drawings

### Circuit diagram



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



3071351

<https://www.phoenixcontact.com/us/products/3071351>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3071351>



**EAC**

Approval ID: KZ7500651131219505



**VDE Zeichengenehmigung**

Approval ID: 40055082

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



3071351

<https://www.phoenixcontact.com/us/products/3071351>

## Classifications

### ECLASS

ECLASS-13.0	27250119
ECLASS-15.0	27250119

### ETIM

ETIM 10.0	EC000897
-----------	----------

### UNSPSC

UNSPSC 21.0	39121400
-------------	----------

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



3071351

<https://www.phoenixcontact.com/us/products/3071351>

## 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%
-------------------------------------	----------------------------

### EF3.1 Climate Change

CO2e kg	0.423 kg CO2e
---------	---------------

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)