UDB 2X35/25 BK - Trunk line branch terminal

3071351

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

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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, 1 level, Rated cross section: 35 mm^2, cross section: 10 mm^2 - 35 mm^2, Screw connection, 2nd level, cross section: 1.5 mm^2 - 25 mm^2, 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
Catalog page	Page 581 (C-1-2019)
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

Technical data

Notes

General	Up to 3 terminal blocks alignable

Product properties

Product type	Feed-through terminal block
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 mm²

1 level

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 mm² ... 35 mm²
Cross section AWG	6 ... 2 (converted acc. to IEC)
Conductor cross section flexible	10 mm² ... 25 mm²
Conductor cross section, flexible [AWG]	6 ... 4 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	10 mm² ... 25 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	10 mm² ... 16 mm²
Nominal current	125 A
Maximum load current	125 A
Nominal voltage	400 V (max. 1000 V)
Note	Use ferrules for stranded conductors
Nominal cross section	35 mm²

2nd level

Stripping length	25 mm
Connection in acc. with standard	IEC 60998-1
Conductor cross section rigid	1.5 mm² ... 25 mm²

Conductor cross-section flexible (ferrule without plastic sleeve)	1.5 mm² ... 16 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	1.5 mm² ... 10 mm²

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
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, 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 60998-1
	IEC 60998-1

Mounting

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

Drawings

Circuit diagram

Approvals

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

EAC
Approval ID: RU C-DE.A*30.B.01742

VDE Zeichengenehmigung
Approval ID: 40055082

Classifications

ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250119

ETIM

ETIM 9.0	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%

Accessories

NS 35/ 7,5 PERF 2000MM - DIN rail perforated

0801733

https://www.phoenixcontact.com/us/products/0801733

DIN rail perforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver

NS 35/ 7,5 UNPERF 2000MM - DIN rail, unperforated

0801681

https://www.phoenixcontact.com/us/products/0801681

DIN rail, unperforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver

NS 35/ 7,5 WH PERF 2000MM - DIN rail perforated

1204119

https://www.phoenixcontact.com/us/products/1204119

DIN rail perforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver

NS 35/ 7,5 WH UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1204122

https://www.phoenixcontact.com/us/products/1204122

DIN rail, unperforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver

NS 35/ 7,5 AL UNPERF 2000MM - DIN rail, unperforated

0801704

https://www.phoenixcontact.com/us/products/0801704

DIN rail, unperforated, Pack of 25 (50 m), acc. to EN 60715, material: Aluminum, uncoated, Standard profile, color: silver

NS 35/ 7,5 ZN PERF 2000MM - DIN rail perforated

1206421

https://www.phoenixcontact.com/us/products/1206421

DIN rail perforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, galvanized, Standard profile, color: silver

NS 35/ 7,5 ZN UNPERF 2000MM - DIN rail, unperforated

1206434

https://www.phoenixcontact.com/us/products/1206434

DIN rail, unperforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, galvanized, Standard profile, color: silver

NS 35/ 7,5 CU UNPERF 2000MM-VPE 10 - DIN rail, unperforated

0801762

https://www.phoenixcontact.com/us/products/0801762

DIN rail, unperforated, Pack of 10 (20 m), acc. to EN 60715, material: Copper, uncoated, Standard profile, color: copper-colored

NS 35/ 7,5 CAP - End cap

1206560

https://www.phoenixcontact.com/us/products/1206560

DIN rail end piece, for DIN rail NS 35/7.5

NS 35/15 PERF 2000MM - DIN rail perforated

1201730

https://www.phoenixcontact.com/us/products/1201730

DIN rail perforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver

NS 35/15 UNPERF 2000MM - DIN rail, unperforated

1201714

https://www.phoenixcontact.com/us/products/1201714

DIN rail, unperforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver

NS 35/15 WH PERF 2000MM - DIN rail perforated

0806602

https://www.phoenixcontact.com/us/products/0806602

DIN rail perforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: white

NS 35/15 WH UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1204135

https://www.phoenixcontact.com/us/products/1204135

DIN rail, unperforated, Pack of 10 (20 m), similar to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver

NS 35/15 AL UNPERF 2000MM - DIN rail, unperforated

1201756

https://www.phoenixcontact.com/us/products/1201756

DIN rail, unperforated, similar to EN 60715, material: Aluminum, uncoated, Standard profile, color: silver

NS 35/15 ZN PERF 2000MM - DIN rail perforated

1206599

https://www.phoenixcontact.com/us/products/1206599

DIN rail perforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, galvanized, Standard profile, color: silver

NS 35/15 ZN UNPERF 2000MM - DIN rail, unperforated

1206586

https://www.phoenixcontact.com/us/products/1206586

DIN rail, unperforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, galvanized, Standard profile, color: silver

NS 35/15 CU UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1201895

https://www.phoenixcontact.com/us/products/1201895

DIN rail, unperforated, Pack of 10 (20 m), similar to EN 60715, material: Copper, uncoated, Standard profile, color: copper-colored

NS 35/15 CAP - End cap

1206573

https://www.phoenixcontact.com/us/products/1206573

DIN rail end piece, for DIN rail NS 35/15

NS 35/15-2,3 UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1201798

https://www.phoenixcontact.com/us/products/1201798

DIN rail, unperforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile 2.3 mm, color: silver

CLIPFIX 35 - End bracket

3022218

https://www.phoenixcontact.com/us/products/3022218

Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, width: 9.5 mm, color: gray

CLIPFIX 35-5 - End bracket

3022276

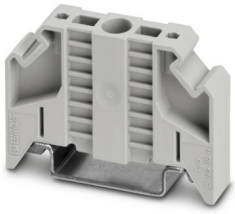
https://www.phoenixcontact.com/us/products/3022276

Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5. 15 mm, color: gray

E/NS 35 N - End bracket

0800886

https://www.phoenixcontact.com/us/products/0800886



End clamp, width: 9.5 mm, color: gray

SF-PZSL 2-100 S-VDE - Screwdriver

1212700

https://www.phoenixcontact.com/us/products/1212700

Screwdriver, positive/negative PZ/bladed, VDE insulated, size: PZ 2 x 100, 2-component grip, with non-slip grip

CRIMPFOX 25R - Crimping pliers

1212039

https://www.phoenixcontact.com/us/products/1212039

Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 10 mm^2 ... 25 mm^2, lateral entry, WM crimp

CRIMPFOX 6T-F - Crimping pliers

1212038

https://www.phoenixcontact.com/us/products/1212038

Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm^2 ... 6 mm^2, front entry, trapezoidal crimp

A 10 -18 - Ferrule

3200344

https://www.phoenixcontact.com/us/products/3200344

Ferrule, color: silver

A 16 -12 - Ferrule

3200425

https://www.phoenixcontact.com/us/products/3200425

Ferrule, color: silver

A 25 -20 - Ferrule

3200386

https://www.phoenixcontact.com/us/products/3200386

Ferrule, color: silver

A 35 -20 - Ferrule

3200409

https://www.phoenixcontact.com/us/products/3200409

Ferrule, color: silver

AI 4 -18 GY - Ferrule

3200593

https://www.phoenixcontact.com/us/products/3200593

Ferrule, sleeve length: 18 mm, color: gray

AI 6 -18 YE - Ferrule

3200603

https://www.phoenixcontact.com/us/products/3200603

Ferrule, sleeve length: 18 mm, color: yellow

AI 10 -18 RD - Ferrule

3200616

https://www.phoenixcontact.com/us/products/3200616

Ferrule, sleeve length: 18 mm, color: red

AI 16 -18 BU - Ferrule

3200629

https://www.phoenixcontact.com/us/products/3200629

Ferrule, sleeve length: 18 mm, color: blue

A 4 -18 - Ferrule

3202834

https://www.phoenixcontact.com/us/products/3202834

Ferrule, color: silver

A 6 -12 - Ferrule

3200328

https://www.phoenixcontact.com/us/products/3200328

Ferrule, color: silver

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