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^2, 1 level, 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
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
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 mm²

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 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 cross section	35 mm²
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 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 (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

Drawings

Circuit diagram



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

Classifications

ECLASS

ECLASS-13.0	27250119
ECLASS-15.0	27250119

ETIM

ETIM 10.0	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%

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