UDB 2X35/25 GY - Trunk line branch terminal

3071350

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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^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: gray

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	3071350
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	BE12
Product key	BE1213
GTIN	4046356735858
Weight per piece (including packing)	81.6 g
Weight per piece (excluding packing)	80.16 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	gray (RAL 7042)
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/3071350

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	0.418 kg CO2e

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