

**INDUSTRIAL COMPONENT DATA**

# UBAL 50 BN 1086470 PHOENIX CONTACT High-current terminal block, Terminal block for aluminum and copper condu..

Brand: PHOENIX CONTACT | Manufacturer Part Number: UBAL 50 BN



|                 |                             |
|-----------------|-----------------------------|
| Manufacturer    | PHOENIX CONTACT             |
| MPN / Reference | UBAL 50 BN                  |
| Catalog number  | 1086470                     |
| Category        | Feed-through terminal block |
| Minimum order   | 20 Pcs                      |
| Document ID     | EO-A07D2F4022               |
| Generated       | 2026-08-06                  |

## Product Overview

High-current terminal block, Terminal block for aluminum and copper conductors (AL-CU), nom. voltage: 1000 V, nominal current: 145 A, connection method: Screw connection, number of connections: 2, number of positions: 1, cross section: 6 mm<sup>2</sup> - 50 mm<sup>2</sup>, AWG: 6 - 1/0, width: 19.2 mm, height: 51 mm, color: brown, mounting type: NS 35/15, NS 35/7,5  
Current terminal, rated voltage: 1000 V, rated current: 145 A, number of connections: 2, number of poles: 1, connection type: Screw connection, Sizing cross-section: 50 mm<sup>2</sup>, cross-section: 6 mm<sup>2</sup> - 50 mm<sup>2</sup>, Sizing cross-section: 50 mm<sup>2</sup>, cross-section: 4 mm<sup>2</sup> - 50 mm<sup>2</sup>, mounting class: NS 35/15, NS 35/7.5, color: brown

**STRUCTURED PRODUCT DATA**

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification & Catalog Path

Catalog path **PHOENIX CONTACT > Modular TBs**

## Additional Product Information

Key Commercial Data

Orderkey 1086470

Packing unit 1 pc

Minimum order quantity 20 pc

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GTIN 4055626877969

Weight per Piece (excluding packing) 49.000 g

Custom tariff number 85369010

Country of origin EE (Estonia)

Drawings

Dimensions

Standards and Regulations

Classifications

General

Connection data

Environmental Product Compliance

Drawings

Circuit diagram

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Note Terminal block for aluminum and copper conductors (AL-CU)

Number of positions 1

Number of levels 1

Number of connections 2

Potentials 1

Nominal cross section 50 mm<sup>2</sup>

Color brown

Insulating material PA

Flammability rating according to UL 94 V0

Rated surge voltage 8 kV

Degree of pollution 3

Overvoltage category III

Insulating material group II

Note The following values apply to aluminum conductors

Maximum load current 145 A (with 50 mm<sup>2</sup> conductor cross section)

Nominal current I<sub>N</sub> 145 A

Nominal voltage U<sub>N</sub> 1000 V

Note The following values apply to copper wires

Maximum load current 150 A (with 50 mm<sup>2</sup> conductor cross section)

Nominal current I<sub>N</sub> 150 A

Nominal voltage U<sub>N</sub> 1000 V

Open side panel No

[Back to top](#)Dimensions

Width 19.2 mm

Length 82.5 mm

Height 51 mm

Height NS 35/7,5 51 mm

Height NS 35/15 58.5 mm

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Note Screws with hexagonal socket

Connection method Screw connection

Screw thread M10

Stripping length 23 mm

Note The following values apply to aluminum conductors

Connection in acc. with standard IEC 61238-1

Conductor cross section solid min. 6 mm<sup>2</sup>

Con...

**REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW**

Send PHOENIX CONTACT / UBAL 50 BN with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

**GLOBAL OFFICES**

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