

INDUSTRIAL COMPONENT DATA

UBAL 50 1086465 PHOENIX CONTACT High-current terminal block, Terminal block for aluminum and copper conducto..

Brand: PHOENIX CONTACT | Manufacturer Part Number: UBAL 50



Manufacturer	PHOENIX CONTACT
MPN / Reference	UBAL 50
Catalog number	1086465
Category	Feed-through terminal block
Minimum order	20 Pcs
Document ID	EO-730DD0481E
Generated	2026-08-04

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 mm² - 50 mm², AWG: 6 - 1/0, width: 19.2 mm, height: 51 mm, color: gray, mounting type: NS 35/15, NS 35/7,5

Current terminal, nominal voltage: 1000 V, nominal current: 145 A, number of connections: 2, number of poles: 1, connection type: Screw connection, Sizing cross-section: 50 mm², cross-section: 6 mm² - 50 mm², Sizing cross-section: 50 mm², cross-section: 4 mm² - 50 mm², mounting class: NS 35/15, NS 35/7.5, color: gray

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 1086465

Packing unit 1 pc

Minimum order quantity 20 pc

Catalog page Page 583 (C-1-2019)

GTIN 4055626879208

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

[Back to top](#)[General](#)

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 mm²

Color gray

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 mm² conductor cross section)

Nominal current I_N 145 A

Nominal voltage U_N 1000 V

Note The following values apply to copper wires

Maximum load current 150 A (with 50 mm² conductor cross section)

Nominal current I_N 150 A

Nominal voltage U_N 1000 V

Open side panel No

Result of surge voltage test Test passed

Surge voltage test setpoint 8 kV

Power frequency withstand voltage setpoint 2.2 kV

Result of the test for mechanical stability of terminal points (5 x conductor connection) Test passed

Bending test conductor cross section/weight 2.5 mm² / 0.7 kg

50 mm² / 9.5 kg

Conductor cross section tensile test 2.5 mm²

Tractive force setpoint 50 N

Conductor cross...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / UBAL 50 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.