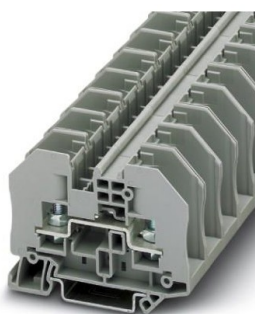


INDUSTRIAL COMPONENT DATA

RTO 5 3049521 PHOENIX CONTACT Bolt connection terminal block

Brand: PHOENIX CONTACT | Manufacturer Part Number: RTO 5



Manufacturer	PHOENIX CONTACT
MPN / Reference	RTO 5
Catalog number	3049521
Category	Feed-through terminal block
Minimum order	50 Pcs
Document ID	EO-83CE698DAD
Generated	2026-08-03

Product Overview

Bolt connection terminal block

Stud connection terminal, nominal voltage: 1000 V, nominal current: 41 A, number of connections: 2, connection type: Stud connection, 1st floor, Dimensioning section: 6 mm², mounting class: NS 35/7.5, NS 35/15, 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 > Enclosures connectivity
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Additional Product Information

Key Commercial Data

Orderkey 3049521

Packing unit 50 pc

Minimum order quantity 50 pc

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GTIN 4046356140829

Weight per Piece (excluding packing) 28.570 g

Custom tariff number 85369010

Country of origin CN (China)

General

Note Note: the BE-RT... path extension is to be used for non-insulated cable lugs (see accessories).

Number of levels 1

Number of connections 2

Potentials 1

Nominal cross section 6 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 I

Maximum power dissipation for nominal condition 1.31 W

Maximum load current 41 A (with 6 mm² conductor cross section)

Nominal current I_N 41 A

Nominal voltage U_N 1000 V

Open side panel Yes

Result of surge voltage test Test passed

Surge voltage test setpoint 9.8 kV

Result of power-frequency withstand voltage test Test passed

Power frequency withstand voltage setpoint 2.2 kV

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

Result of tight fit on support Test passed

Tight fit on carrier NS 35

Setpoint 5 N

Result of voltage-drop test Test passed

Requirements, voltage drop ≤ 3.2 mV

Result of temperature-rise test Test passed

Short circuit stability result Test passed

Conductor cross section short circuit testing 6 mm²

Short-time current 0.72 kA

Result of thermal test Test passed

Proof of thermal characteristics (needle flame) eff...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / RTO 5 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

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