

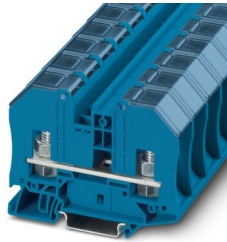
# RTO 8-TC BU - Feed-through terminal block



3049929

<https://www.phoenixcontact.com/us/products/3049929>

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.



Feed-through terminal block with bolt connection technology and transparent safety contact hood, cross section: 2.5 - 35 mm<sup>2</sup>, AWG: 14 - 2, width 20.2 mm, color: blue

## Your advantages

- Four bridge shafts per terminal block
- Terminal point always freely accessible

## Commercial data

Item number	3049929
Packing unit	25 pc
Minimum order quantity	25 pc
Sales key	BE43
Product key	BE4312
GTIN	4046356425155
Weight per piece (including packing)	85.764 g
Weight per piece (excluding packing)	85.764 g
Customs tariff number	85369010
Country of origin	CN

# RTO 8-TC BU - Feed-through terminal block



3049929

<https://www.phoenixcontact.com/us/products/3049929>

## Technical data

### Notes

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

### Product properties

Product type	Bolt connection terminal block
Product family	RTO
Number of positions	1
Number of connections	2
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	2
Nominal cross section	35 mm <sup>2</sup>

#### 1 level

Connection method	Bolt connection
Stripping length	The stripping length depends on the specification provided by the cable lug manufacturer.
Connection in acc. with standard	IEC 60947-7-1
Nominal cross section	35 mm <sup>2</sup>
Nominal current	125 A
Maximum load current	125 A (with 35 mm <sup>2</sup> conductor cross-section)
Nominal voltage	1000 V

#### Cable lug connection DIN 46234:1980-03

Connection in acc. with standard	DIN 46234:1980-03
Cross section	2.5 mm <sup>2</sup> ... 35 mm <sup>2</sup>
Cross section range AWG	(converted acc. to IEC)
Hole diameter	8.4 mm
Width	16 mm
Bolt diameter	8 mm
Screw thread	M8
Tightening torque	6 ... 10 Nm

# RTO 8-TC BU - Feed-through terminal block



3049929

<https://www.phoenixcontact.com/us/products/3049929>

Connection in acc. with standard	DIN 46235:1983-07
Cross section range AWG	(converted acc. to IEC)
Hole diameter	8.4 mm
Width	14 mm
Bolt diameter	8 mm
Screw thread	M8
Tightening torque	6 ... 10 Nm
Connection in acc. with standard	DIN 46237:1970-07
Cross section	2.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Cross section range AWG	(converted acc. to IEC)
Hole diameter	8.4 mm
Width	14 mm
Bolt diameter	8 mm
Screw thread	M8
Tightening torque	6 ... 10 Nm
Identification color of ring cable lugs : blue	2.5 mm <sup>2</sup>
Identification color of ring cable lugs : yellow	6 mm <sup>2</sup>

## Dimensions

Width	20.2 mm
End cover width	2.2 mm
Height	84 mm
Depth	63.2 mm
Depth on NS 35/7,5	63.8 mm
Depth on NS 35/15	71.3 mm

## Material specifications

Color	blue (RAL 5015)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA

## Mechanical properties

### Mechanical data

Open side panel	Yes
-----------------	-----

## 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

# RTO 8-TC BU - Feed-through terminal block



3049929

<https://www.phoenixcontact.com/us/products/3049929>

Permissible humidity (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

## Standards and regulations

Connection in acc. with standard	IEC 60947-7-1
----------------------------------	---------------

## Mounting

Mounting type	NS 35/7,5
	NS 35/15

# RTO 8-TC BU - Feed-through terminal block



3049929

<https://www.phoenixcontact.com/us/products/3049929>

## Drawings

Circuit diagram



# RTO 8-TC BU - Feed-through terminal block



3049929

<https://www.phoenixcontact.com/us/products/3049929>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3049929>



**EAC**

Approval ID: RU C-DE.BL08.B.00540

# RTO 8-TC BU - Feed-through terminal block



3049929

<https://www.phoenixcontact.com/us/products/3049929>

## Classifications

### ECLASS

ECLASS-13.0	27250101
ECLASS-15.0	27250101

### ETIM

ETIM 10.0	EC000897
-----------	----------

### UNSPSC

UNSPSC 21.0	39121400
-------------	----------

# RTO 8-TC BU - Feed-through terminal block



3049929

<https://www.phoenixcontact.com/us/products/3049929>

## 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%
-------------------------------------	----------------------------

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](mailto:info@phoenixcon.com)