

Bolt connection terminal block - RT 5-PE - 3049424

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's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



Ground terminal block with bolt connection, cross section: 0.1 - 6 mm², AWG: 26 - 10, width 16.3 mm, color: Green-yellow

Product Features

- ☒ Low contact resistance
- ☒ Tested for railway applications
- ☒ Corrosion-free terminal points
- ☒ Additional labeling options
- ☒ Green-yellow housing

Key commercial data

package_quantity	50
GTIN	4046356140812

Technical data

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
Color	green-yellow
Insulating material	PA
Inflammability class according to UL 94	V0
Area of application	Railway industry
Area of application	Mechanical engineering
Area of application	Plant engineering
Area of application	Process industry

General

Maximum load current	41 A (with 6 mm ² conductor cross section)
Rated surge voltage	8 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-2

Bolt connection terminal block - RT 5-PE - 3049424

Technical data

General

Open side panel	ja
Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03
Test spectrum	Service life test category 1, class B, body mounted
Test frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$
ASD level	0.02 g^2/Hz
Acceleration	0.8 g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Oscillation, broadband noise test result	Test passed
Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03
Shock form	Half-sine
Acceleration	5 g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Shock test result	Test passed
Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))	120 °C

Dimensions

Width	16.3 mm
Length	66 mm
Height NS 35/7,5	51 mm
Height NS 35/15	58.5 mm

Connection data

Note	Connection bolts
Conductor cross section solid min.	0.1 mm^2
Conductor cross section solid max.	6 mm^2
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	10
Conductor cross section stranded min.	0.1 mm^2
Conductor cross section stranded max.	6 mm^2
Min. AWG conductor cross section, stranded	26
Max. AWG conductor cross section, stranded	10
Min. cross section for cable lug connection	0.5 mm^2
Max. cross section for cable lug connection	6 mm^2
Connection method	Bolt connection
Screw thread	M5
Tightening torque, min	2.5 Nm
Tightening torque max	3 Nm

Bolt connection terminal block - RT 5-PE - 3049424

classifications

eCl@ss

eCl@ss 4.0	27141120
eCl@ss 4.1	27141120
eCl@ss 5.0	27141120
eCl@ss 5.1	27141120
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141120

ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC000901
ETIM 5.0	EC000901

UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410

approvals

ATEX / IECEx / UL Recognized / VDE Zeichengenehmigung / cUL Recognized / ABS / IECEE CB Scheme / GOST / cULus Recognized /

Approval details

ATEX 	
Nominal voltage UN	
Nominal current IN	
mm²/AWG/kcmil	0.1-6

IECEx	
Nominal voltage UN	
Nominal current IN	
mm²/AWG/kcmil	0.1-6

Bolt connection terminal block - RT 5-PE - 3049424

approvals

UL Recognized 

VDE Zeichengenehmigung 

Nominal voltage UN	
Nominal current IN	
mm²/AWG/kcmil	0.14-6

cUL Recognized 

ABS

IECEE CB Scheme 

GOST 

cULus Recognized  US

accessories

End cover

D-RT 3/5 - 3049097



Bolt connection terminal block - RT 5-PE - 3049424

accessories

BE-RT 3/5 - 3049819



DP PS-8 - 3036741



Screwdriver tools

SZS 0,6X3,5 - 1205053



Partition plate

TPNS-UK - 0706647



Bridge

FBS 2-8 - 3030284



Bolt connection terminal block - RT 5-PE - 3049424

accessories

FBS 3-8 - 3030297



FBS 4-8 - 3030307



FBS 5-8 - 3030310



FBSRH 2-8 - 3033802



FBSRH 3-8 - 3033803



FBSRH 4-8 - 3033804



Bolt connection terminal block - RT 5-PE - 3049424

accessories

Mounting rail

NS 35/ 7,5 PERF 2000MM - 0801733



NS 35/ 7,5 UNPERF 2000MM - 0801681



NS 35/ 7,5 WH PERF 2000MM - 1204119



NS 35/ 7,5 WH UNPERF 2000MM - 1204122



NS 35/ 7,5 AL UNPERF 2000MM - 0801704



Bolt connection terminal block - RT 5-PE - 3049424

accessories

NS 35/ 7,5 ZN PERF 2000MM - 1206421



NS 35/ 7,5 ZN UNPERF 2000MM - 1206434



NS 35/ 7,5 CU UNPERF 2000MM - 0801762



NS 35/ 7,5 CAP - 1206560



NS 35/15 PERF 2000MM - 1201730



NS 35/15 UNPERF 2000MM - 1201714



Bolt connection terminal block - RT 5-PE - 3049424

accessories

NS 35/15 WH PERF 2000MM - 0806602



NS 35/15 WH UNPERF 2000MM - 1204135



NS 35/15 AL UNPERF 2000MM - 1201756



NS 35/15 ZN PERF 2000MM - 1206599



NS 35/15 ZN UNPERF 2000MM - 1206586



Bolt connection terminal block - RT 5-PE - 3049424

accessories

NS 35/15 CU UNPERF 2000MM - 1201895



NS 35/15 CAP - 1206573



NS 35/15-2,3 UNPERF 2000MM - 1201798



Terminal marking

ZB 12:UNPRINTED - 0812120



UC-TM 12 - 0819194



Bolt connection terminal block - RT 5-PE - 3049424

accessories

UCT-TM 12 - 0829144



ZB 16,3:UNPRINTED - 0820222



Labeled terminal marker

ZB 12 CUS - 0824942



UC-TM 12 CUS - 0824613



UCT-TM 12 CUS - 0829630



Bolt connection terminal block - RT 5-PE - 3049424

accessories

ZB 16,3 CUS - 0824946



Test plug terminal block

MPS-MT - 0201744



PAI-4-N GY - 3032871



PS-8 - 3031005



PS-8/2,3MM RD - 3048564



Insulating sleeve

Bolt connection terminal block - RT 5-PE - 3049424

accessories

MPS-IH WH - 0201663



MPS-IH RD - 0201676



MPS-IH BU - 0201689



MPS-IH YE - 0201692



MPS-IH GN - 0201702



MPS-IH GY - 0201728



Bolt connection terminal block - RT 5-PE - 3049424

accessories

MPS-IH BK - 0201731



End block

CLIPFIX 35 - 3022218



CLIPFIX 35-5 - 3022276



E/NS 35 N - 0800886



E/UK - 1201442



Bolt connection terminal block - RT 5-PE - 3049424

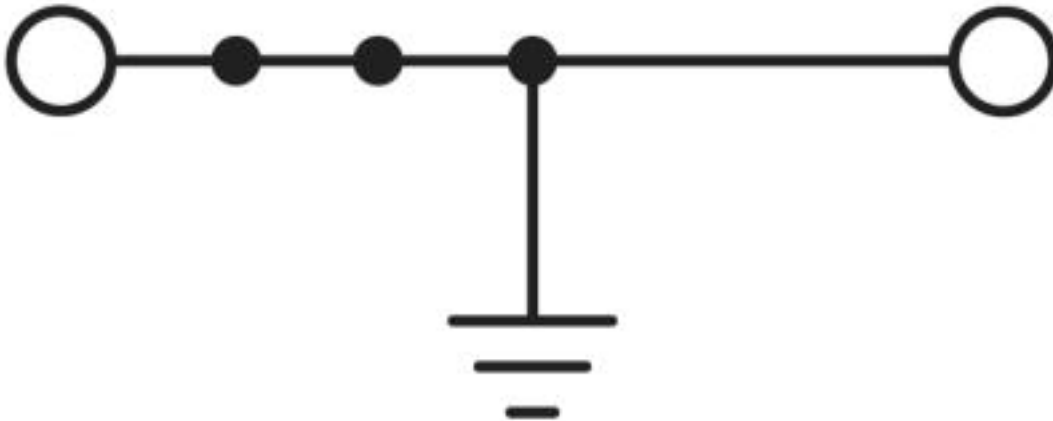
accessories

E/UK 1 - 1201413



Drawings

Circuit diagram



© Phoenix Contact 2013 - all rights reserved
<http://www.phoenixcontact.com>