

# Test disconnect terminal block - RBO 5-T-B - 3214932

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://phoenixcontact.com/download>)



Test disconnect terminal block, nom. voltage: 800 V, nominal current: 50 A, connection method: Bolt connection, length: 80.8 mm, width: 13 mm, color: gray, mounting: NS 35/7,5, NS 35/15



## Key Commercial Data

|              |               |
|--------------|---------------|
| Packing unit | 50 pc         |
| GTIN         |               |
| GTIN         | 4046356605847 |

## Technical data

### General

|   |  |
|---|--|
| Number of levels                                | 1  |
| Number of connections                           | 2  |
| Potentials                                      | 1  |
| Nominal cross section                           | 10 mm <sup>2</sup>                                     |
| 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 | 1.82 W   |
| Maximum load current                            | 50 A (with 10 mm <sup>2</sup> conductor cross section) |
| Nominal current I <sub>N</sub>                  | 50 A   |
| Nominal voltage U <sub>N</sub>                  | 800 V (with open 630 V disconnect point)               |
| Open side panel                                 | Yes  |
| Ambient temperature (operation)                 | -60 °C ... 85 °C                                       |

# Test disconnect terminal block - RBO 5-T-B - 3214932

## Technical data

### General

|   |  |
|---|--|
| Ambient temperature (storage/transport)                                 | -25 °C ... 55 °C (For a short time, not exceeding 24 h, -60 to +70 °C) |
| Permissible humidity (storage/transport)                                | 30 % ... 70 %  |
| Ambient temperature (assembly)  | -5 °C ... 70 °C  |
| Ambient temperature (actuation)   | -5 °C ... 70 °C  |
| Relative insulation material temperature index (Elec., UL 746 B)        | 130 °C   |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 130 °C   |
| Static insulating material application in cold                          | -60 °C   |
| Surface flammability NFPA 130 (ASTM E 162)                              | passed   |
| Specific optical density of smoke NFPA 130 (ASTM E 662)                 | passed   |
| Calorimetric heat release NFPA 130 (ASTM E 1354)                        | 28 MJ/kg   |
| Smoke gas toxicity NFPA 130 (SMP 800C)                                  | passed   |
| Fire protection for rail vehicles (DIN EN 45545-2) R22                  | HL 1 - HL 3  |
| Fire protection for rail vehicles (DIN EN 45545-2) R23                  | HL 1 - HL 3  |
| Fire protection for rail vehicles (DIN EN 45545-2) R24                  | HL 1 - HL 3  |
| Fire protection for rail vehicles (DIN EN 45545-2) R26                  | HL 1 - HL 3  |

### Dimensions

|                  |         |
|------------------|---------|
| Width            | 13 mm   |
| End cover width  | 2.2 mm  |
| Length           | 80.8 mm |
| Height NS 35/7,5 | 49.8 mm |
| Height NS 35/15  | 57.3 mm |
| Pitch            | 13 mm   |

### Connection data

|   |   |
|---|---|
| Connection                                  | 1 level   |
| Connection method                           | Bolt connection   |
| Screw thread                                | M5  |
| Stripping length                            | The stripping length depends on the specification provided by the cable lug manufacturer. |
| Connection in acc. with standard            | IEC 60947-7-1   |
| Cable lug connection according to standard  | DIN 46234:1980-03   |
| Min. cross section for cable lug connection | 0.1 mm <sup>2</sup>   |
| Max. cross section for cable lug connection | 10 mm <sup>2</sup>  |
| AWG min                                     | 26  |
| AWG max                                     | 8   |
| Hole diameter, min.                         | 5.3 mm  |
| Cable lug width, max.                       | 10 mm   |
| Bolt diameter                               | 5 mm  |
| Tightening torque, min                      | 2 Nm  |
| Tightening torque max                       | 2.2 Nm  |

# Test disconnect terminal block - RBO 5-T-B - 3214932

## Technical data

### Connection data

|   |                     |
|---|---------------------|
| Cable lug connection according to standard  | DIN 46237:1970-07   |
| Min. cross section for cable lug connection | 0.5 mm <sup>2</sup> |
| Max. cross section for cable lug connection | 6 mm <sup>2</sup>   |
| AWG min                                     | 20                  |
| AWG max                                     | 10                  |
| Hole diameter, min.                         | 5.3 mm              |
| Cable lug width, max.                       | 10 mm               |
| Bolt diameter                               | 5 mm                |
| Tightening torque, min                      | 2 Nm                |
| Tightening torque max                       | 2.2 Nm              |

### Standards and Regulations

|  |               |
|--|---------------|
| Connection in acc. with standard       | UL            |
|  | IEC 60947-7-1 |
| Flammability rating according to UL 94 | V0            |

### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 50 years  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Drawings

Circuit diagram



## Classifications

eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27141126 |
| eCl@ss 4.0    | 27141100 |
| eCl@ss 4.1    | 27141100 |
| eCl@ss 5.0    | 27141100 |
| eCl@ss 5.1    | 27141100 |
| eCl@ss 6.0    | 27141100 |
| eCl@ss 7.0    | 27141126 |
| eCl@ss 8.0    | 27141126 |

# Test disconnect terminal block - RBO 5-T-B - 3214932

## Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 9.0 | 27141126 |
|------------|----------|

## ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000902 |
| ETIM 3.0 | EC000902 |
| ETIM 4.0 | EC000902 |
| ETIM 5.0 | EC000902 |
| ETIM 6.0 | EC000902 |
| ETIM 7.0 | EC000902 |

## UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211811 |
| UNSPSC 7.0901 | 39121410 |
| UNSPSC 11     | 39121410 |
| UNSPSC 12.01  | 39121410 |
| UNSPSC 13.2   | 39121410 |
| UNSPSC 18.0   | 39121410 |
| UNSPSC 19.0   | 39121410 |
| UNSPSC 20.0   | 39121410 |
| UNSPSC 21.0   | 39121410 |

## Approvals


Approvals

Approvals

UL Recognized / EAC / EAC / EAC

Ex Approvals

## Approval details

|                    |   |   |              |
|--------------------|---|---|--------------|
| UL Recognized      |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 60425 |
|                    | B   | C   |              |
| Nominal voltage UN | 600 V   | 600 V   |              |
| Nominal current IN | 41 A  | 41 A  |              |

# Test disconnect terminal block - RBO 5-T-B - 3214932

## Approvals

|     |  |               |
|-----|--|---------------|
| EAC |  | EAC-Zulassung |
|-----|--|---------------|

|     |  |                          |
|-----|--|--------------------------|
| EAC |  | RU C-<br>DE.A*30.B.01742 |
|-----|--|--------------------------|

|     |  |                          |
|-----|--|--------------------------|
| EAC |  | RU C-<br>DE.BL08.B.00540 |
|-----|--|--------------------------|

## Accessories

### Accessories

#### Cover profile

Cover profile - AP RSC-T - 3059139



Cover profile, for covering terminal strips, directly snapped onto RBO... and RSC... test disconnect terminal blocks.  
Length supplied: 1 m

---

### DIN rail

DIN rail perforated - NS 35/ 7,5 PERF 2000MM - 0801733



DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

DIN rail, unperforated - NS 35/ 7,5 UNPERF 2000MM - 0801681



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

## Test disconnect terminal block - RBO 5-T-B - 3214932

### Accessories

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



DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

---

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

---

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Aluminum, uncoated, length: 2000 mm, color: silver

---

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



DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

---

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

---

## Test disconnect terminal block - RBO 5-T-B - 3214932

### Accessories

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Copper, uncoated, length: 2000 mm, color: copper-colored

---

End cap - NS 35/ 7,5 CAP - 1206560



DIN rail end piece, for DIN rail NS 35/7.5

---

DIN rail perforated - NS 35/15 PERF 2000MM - 1201730



DIN rail perforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

---

DIN rail, unperforated - NS 35/15 UNPERF 2000MM - 1201714



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

---

DIN rail perforated - NS 35/15 WH PERF 2000MM - 0806602



DIN rail perforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

---

## Test disconnect terminal block - RBO 5-T-B - 3214932

### Accessories

DIN rail, unperforated - NS 35/15 WH UNPERF 2000MM - 1204135



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

---

DIN rail, unperforated - NS 35/15 AL UNPERF 2000MM - 1201756



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Aluminum, uncoated, length: 2000 mm, color: silver

---

DIN rail perforated - NS 35/15 ZN PERF 2000MM - 1206599



DIN rail perforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

---

DIN rail, unperforated - NS 35/15 ZN UNPERF 2000MM - 1206586



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

---

DIN rail, unperforated - NS 35/15 CU UNPERF 2000MM - 1201895



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Copper, uncoated, length: 2000 mm, color: copper-colored

---



## Test disconnect terminal block - RBO 5-T-B - 3214932

### Accessories

End cap - NS 35/15 CAP - 1206573



DIN rail end piece, for DIN rail NS 35/15

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



DIN rail, unperforated, Standard profile 2.3 mm, width: 35 mm, height: 15 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

### End block

End clamp - CLIPFIX 35 - 3022218



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, width: 9.5 mm, color: gray

End clamp - CLIPFIX 35-5 - 3022276



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray

End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

## Test disconnect terminal block - RBO 5-T-B - 3214932

### Accessories

#### End clamp - E/UK - 1201442



End clamp, width: 9.5 mm, height: 35.3 mm, material: PA, length: 50.5 mm, Mounting on a DIN rail NS 32 or NS 35, color: gray

---

#### End clamp - E/UK 1 - 1201413



End clamps, for supporting the ends of double-level and three-level terminal blocks, width: 10 mm, color: gray

---

#### End cover

#### End cover - D-RSC 5-T - 3058046



End cover, length: 80.9 mm, width: 2.2 mm, height: 39.7 mm, color: gray

---

#### Labeled terminal marker

#### Zack marker strip - ZB 13 CUS - 0829132



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 13 mm, lettering field size: 13 x 10.5 mm, Number of individual labels: 5

---

#### Zack Marker strip, flat - ZBF 13 CUS - 0829134



Zack Marker strip, flat, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 13 mm, lettering field size: 13 x 5.2 mm, Number of individual labels: 5

---

#### Partition plate

## Test disconnect terminal block - RBO 5-T-B - 3214932

### Accessories

Separating plate - TS-KK 3 - 2770215



Separating plate, length: 14 mm, width: 0.5 mm, height: 16 mm, color: gray

---

Separating plate - TS-UT 6-T/SP - 3072821



Separating plate, length: 105.2 mm, width: 1 mm, height: 67.5 mm, color: gray

---

### Screw bridge

Fixed bridge - FB 10-13 - 3059126



Fixed bridge, pitch: 13 mm, number of positions: 10, color: silver

---

Fixed bridge - FB 10-13 ISO - 3059663



Fixed bridge, pitch: 13 mm, number of positions: 10, color: silver

---

### Screwdriver tools

Screwdriver - SZS 1,2X8,0 VDE - 1205082



Screwdriver, slot-headed, VDE insulated, size: 1.2 x 8.0 x 175 mm, 2-component grip, with non-slip grip

---

### Terminal marking

## Test disconnect terminal block - RBO 5-T-B - 3214932

### Accessories

Zack marker strip - ZB 13:UNBEDRUCKT - 0829131



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 13 mm, lettering field size: 13 x 10.5 mm, Number of individual labels: 5

---

Zack Marker strip, flat - ZBF 13:UNBEDRUCKT - 0829133



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 13 mm, lettering field size: 13 x 5.2 mm, Number of individual labels: 5

---

---

Phoenix Contact 2020 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [DIN Rail Terminal Blocks](#) category:*

*Click to view products by [Phoenix Contact](#) manufacturer:*

Other Similar products are found below :

[00110420202](#) [8WA1011-1BH23](#) [8WA1011-1EF20](#) [91.010](#) [9102100000](#) [91.040](#) [9123140000](#) [9123140001](#) [RBO 5-T-B-HEX](#) [1333564](#) [DP25-GY-ND](#) [1431306](#) [1433306](#) [90.070](#) [91.020](#) [912314](#) [260-301\\_NR](#) [2757571](#) [280-331](#) [280-560](#) [280-564](#) [281-611/281-542](#) [281-673/281-411](#) [281-994](#) [283-317](#) [283-607](#) [2909798](#) [264-724](#) [264-726](#) [280-530](#) [280-555](#) [280-619](#) [281-610](#) [281-622/281-417](#) [284-317](#) [284-601](#) [2907033](#) [3048496](#) [5542152](#) [35956](#) [USK 10](#) [102510](#) [1025100000](#) [5520682](#) [5607102](#) [EMH 25-ZE30](#) [591620-2](#) [UM 45-SEFE M.NUT BK](#) [1-591651-1](#) [8671050000](#)