

## Test disconnect terminal block - RT 4-T-P/P - 3000565

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Test disconnect terminal block, With test socket screws for insertion of test plugs, Connection type: Bolt connection, Cross section: 0.1 mm<sup>2</sup> - 6 mm<sup>2</sup>, AWG: 26 - 10, Nominal current: 41 A, Nominal voltage: 500 V, Length: 82.4 mm, Width: 12.3 mm, Color: gray, Assembly: NS 35/7,5, NS 35/15

### Product Description

with test socket screws

### Product Features

- ✓ The special clamping nuts can be actuated with a normal screwdriver
- ✓ Quick and easy connection thanks to hinged cover flaps which hold the clamping nuts captive. When the flaps are open, the connection bolt is freely accessible and the cable lugs can be hooked in; after closing and engaging the flaps
- ✓ Easy bridging and potential distribution using the patented plug-in bridges from the CLIPLINE complete system
- ✓ The screws are secured against loosening by captive spring-loaded spacers
- ✓ Large-surface labeling options in the terminal center and above the terminal points
- ✓ The use of the switching lock effectively prevents unintentional switching
- ✓ The hinged cover cover the live metal parts including the insulated cable lugs in the clamping area so that they are touch proof
- ✓ Testing with the standardized test adapters and test plugs of the CLIPLINE complete system



### Key Commercial Data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| Minimum order quantity               | 50 pc    |
| Weight per Piece (excluding packing) | 36.8 g   |
| Custom tariff number                 | 85369010 |
| Country of origin                    | China    |

### 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   |

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### Technical data

#### General

|   |   |
|---|---|
| Number of connections   | 2   |
| Nominal cross section   | 6 mm <sup>2</sup>                           |
| Color   | gray  |
| Insulating material   | PA  |
| Flammability rating according to UL 94  | V0  |
| Area of application   | Mechanical engineering<br>Plant engineering |
| Rated surge voltage   | 6 kV  |
| Pollution degree  | 3   |
| Overvoltage category  | III   |
| Insulating material group   | I   |
| Connection in acc. with standard  | IEC 60947-7-1                               |
| Maximum load current  | 41 A  |
| Nominal current I <sub>N</sub>  | 41 A  |
| Nominal voltage U <sub>N</sub>  | 500 V                                       |
| Open side panel   | ja  |
| Shock protection test specification   | DIN EN 50274 (VDE 0660-514):2002-11         |
| Back of the hand protection   | guaranteed                                  |
| Finger protection   | guaranteed                                  |
| Surge voltage test setpoint   | 7.3 kV                                      |
| Result of surge voltage test  | Test passed                                 |
| Power frequency withstand voltage setpoint                                      | 1.89 kV                                     |
| Result of power-frequency withstand voltage test                                | Test passed                                 |
| Checking the mechanical stability of terminal points (5 x conductor connection) | Test passed                                 |
| Tight fit on carrier  | NS 35                                       |
| Setpoint  | 5 N   |
| Result of tight fit test  | Test passed                                 |
| Requirements, voltage drop  | ≤ 6,4 mV                                    |
| Result of voltage drop test   | Test passed                                 |
| Temperature-rise test   | Test passed                                 |
| Conductor cross section short circuit testing                                   | 6 mm <sup>2</sup>                           |
| Short-time current  | 0.72 kA                                     |
| Short circuit stability result  | Test passed                                 |
| Proof of thermal characteristics (needle flame) effective duration              | 30 s  |
| Result of thermal test  | Test passed                                 |
| Test specification, oscillation, broadband noise                                | DIN EN 50155 (VDE 0115-200):2008-03         |

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## Technical data

### General

|   |  |
|---|--|
| Test spectrum   | Service life test category 2, bogie mounted    |
| Test frequency  | $f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$ |
| ASD level   | $6.12 \text{ (m/s}^2\text{)}^2\text{/Hz}$      |
| Acceleration  | 3.12 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  | 30g  |
| Shock duration  | 18 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)) | 130 °C   |
| Static insulating material application in cold                        | -60 °C   |

### Dimensions

|                  |         |
|------------------|---------|
| Width            | 12.3 mm |
| End cover width  | 2.2 mm  |
| Length           | 82.4 mm |
| Height NS 35/7,5 | 51 mm   |
| Height NS 35/15  | 58.5 mm |

### Connection data

|   |                     |
|---|---------------------|
| Note  | Connection bolts    |
| Connection method                           | Bolt connection     |
| Connection in acc. with standard            | IEC 60947-7-1       |
| Conductor cross section solid min.          | 0.1 mm <sup>2</sup> |
| Conductor cross section solid max.          | 6 mm <sup>2</sup>   |
| Conductor cross section AWG min.            | 26                  |
| Conductor cross section AWG max.            | 10                  |
| Conductor cross section flexible min.       | 0.1 mm <sup>2</sup> |
| Conductor cross section flexible max.       | 6 mm <sup>2</sup>   |
| Min. AWG conductor cross section, flexible  | 26                  |
| Max. AWG conductor cross section, flexible  | 10                  |
| Cable lug connection according to standard  | DIN 46 234          |
| Min. cross section for cable lug connection | 0.5 mm <sup>2</sup> |

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## Technical data

### Connection data

|   |                     |
|---|---------------------|
| Max. cross section for cable lug connection | 6 mm <sup>2</sup>   |
| Hole diameter                               | 4.3 mm              |
| Bolt diameter                               | 4 mm                |
| Cable lug connection according to standard  | DIN 46237           |
| 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>   |
| Hole diameter                               | 4.3 mm              |
| Bolt diameter                               | 4 mm                |
| Screw thread                                | M4                  |
| Tightening torque, min                      | 1.5 Nm              |
| Tightening torque max                       | 1.8 Nm              |
| Screw thread                                | M4                  |
| Tightening torque, min                      | 1.5 Nm              |
| Tightening torque max                       | 1.8 Nm              |

## Classifications

### eCl@ss

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

### ETIM

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

### UNSPSC

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

# Test disconnect terminal block - RT 4-T-P/P - 3000565

## Approvals

Approvals

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Approvals

UL Recognized / cUL Recognized / cULus Recognized

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Ex Approvals


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Approvals submitted

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## Approval details

|  |       |       |
|--|-------|-------|
| UL Recognized  |       |       |
|  | B     | C     |
| Nominal current I <sub>N</sub>   | 30 A  | 30 A  |
| Nominal voltage U <sub>N</sub>   | 600 V | 600 V |

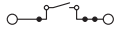
|  |       |       |
|--|-------|-------|
| cUL Recognized  |       |       |
|  | B     | C     |
| Nominal current I <sub>N</sub>   | 30 A  | 30 A  |
| Nominal voltage U <sub>N</sub>   | 600 V | 600 V |

|  |  |  |
|--|--|--|
| cULus Recognized  |  |  |
|--|--|--|

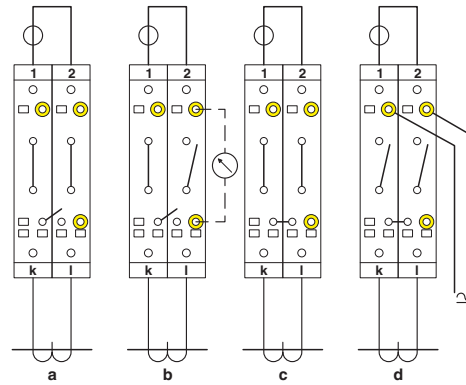
## Drawings

# Test disconnect terminal block - RT 4-T-P/P - 3000565

Circuit diagram

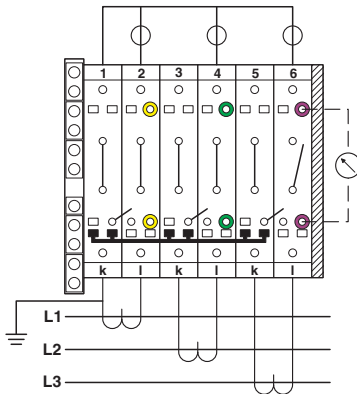


Connection diagram



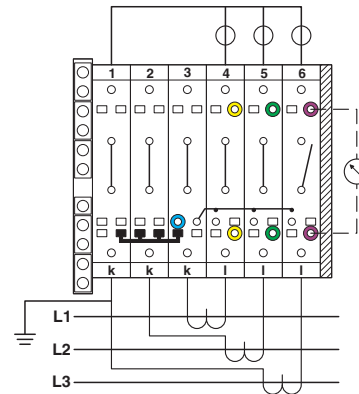
Simple current transformer test circuit  
 a = normal operation  
 b = measured value testing  
 c = transformer testing  
 d = relay testing

Connection diagram



Three-phase transducer test set

Connection diagram



Three-phase linked transducer test set

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