

# RWO 8-TC - Panel feed-through terminal block



3074936

<https://www.phoenixcontact.com/us/products/3074936>

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Panel feed-through terminal block, number of positions: 1, width: 20.3 mm



## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 3074936                        |
| Packing unit                         | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | AA02                           |
| Product key                          | AAO1FH                         |
| Catalog page                         | Page 634 (C-1-2013)            |
| GTIN                                 | 4046356422123                  |
| Weight per piece (including packing) | 90.75 g                        |
| Weight per piece (excluding packing) | 90.75 g                        |
| Customs tariff number                | 85369010                       |
| Country of origin                    | CN                             |

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## Technical data

### Product properties

|                       |                                   |
|-----------------------|-----------------------------------|
| Product type          | Panel feed-through terminal block |
| Product family        | RWO 8-TC                          |
| Number of positions   | 1                                 |
| Pitch                 | 20.3 mm                           |
| Number of connections | 2                                 |
| Number of rows        | 1                                 |
| Potentials            | 1                                 |

### Insulation characteristics

|                      |     |
|----------------------|-----|
| Overvoltage category | III |
| Degree of pollution  | 3   |

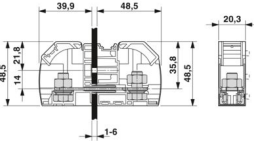
### Electrical properties

|                       |        |
|-----------------------|--------|
| Maximum load current  | 125 A  |
| Rated surge voltage   | 6 kV   |
| rated voltage (II/2)  | 1000 V |
| rated voltage (III/2) | 1000 V |
| Rated voltage (III/3) | 1000 V |

### Material specifications

|                                                                         |        |
|-------------------------------------------------------------------------|--------|
| Color                                                                   | gray   |
| Flammability rating according to UL 94                                  | V0     |
| Insulating material group                                               | I      |
| Insulating material                                                     | PA     |
| Contact surface                                                         | Tin Sn |
| Static insulating material application in cold                          | -60 °C |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 130 °C |
| Relative insulation material temperature index (Elec., UL 746 B)        | 130 °C |

### Dimensions

|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| Dimensional drawing |  |
| Width               | 20.3 mm                                                                              |
| Pitch               | 20.3 mm                                                                              |
| Plate thickness     | 1 mm ... 6 mm                                                                        |

### External dimensions

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|                 |         |
|-----------------|---------|
| Width           | 20.3 mm |
| Height_external | 48.5 mm |
| Length_external | 48.5 mm |

## Internal dimensions

|               |         |
|---------------|---------|
| Width_inside  | 20.3 mm |
| Height_inside | 48.5 mm |
| Length_inside | 39.9 mm |

## Mechanical tests

### Mechanical strength

|        |             |
|--------|-------------|
| Result | Test passed |
|--------|-------------|

## Electrical tests

### Surge voltage test

|                       |             |
|-----------------------|-------------|
| Test voltage setpoint | 9.8 kV      |
| Result                | Test passed |

### Temperature-rise test

|                                                 |                                     |
|-------------------------------------------------|-------------------------------------|
| Requirement temperature-rise test               | Increase in temperature $\leq 45$ K |
| Result                                          | Test passed                         |
| Short-time withstand current 35 mm <sup>2</sup> | 4.2 kA                              |
| Result                                          | Test passed                         |

### Power-frequency withstand voltage

|                       |             |
|-----------------------|-------------|
| Test voltage setpoint | 2.2 kV      |
| Result                | Test passed |

## Environmental and real-life conditions

### Needle-flame test

|                  |             |
|------------------|-------------|
| Time of exposure | 30 s        |
| Result           | Test passed |

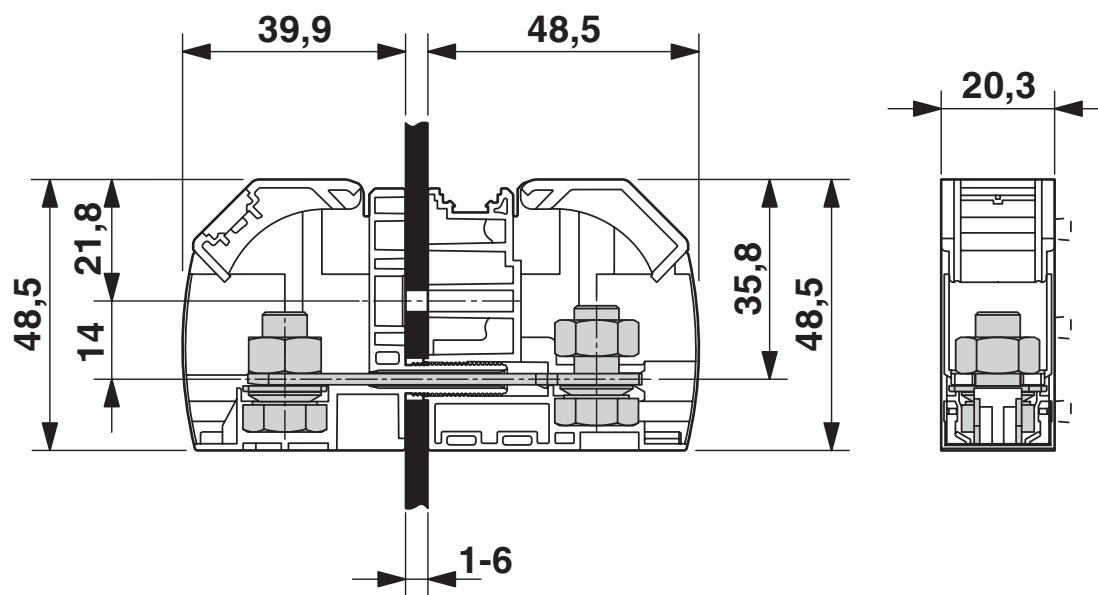
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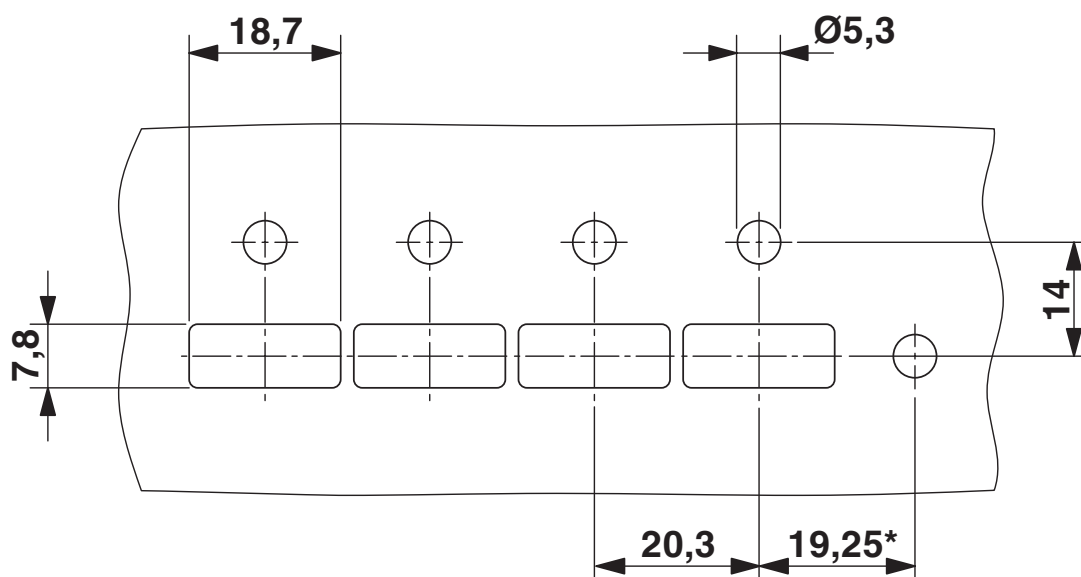
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## Drawings

Dimensional drawing



Dimensional drawing



\* Only when using the RW...-F flange plate

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## Environmental product compliance

### 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% |
|-------------------------------------|----------------------------|

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## Accessories

### TMT (EX9,5)R - Marker for terminal blocks

0828295

<https://www.phoenixcontact.com/us/products/0828295>



Marker for terminal blocks, Roll, white, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMaster 300/600, THERMOMARK X1.2, mounting type: snapped, snap into tall marker groove, for terminal block width: 30000 mm, lettering field size: 9.5 x 50000 mm, Number of individual labels: 1

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### ZB 20,3:UNPRINTED - Zack marker strip

0820248

<https://www.phoenixcontact.com/us/products/0820248>



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 20.3 mm, lettering field size: 10.5 x 20.25 mm, Number of individual labels: 5

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## ZB 16,3:UNPRINTED - Zack marker strip

0820222

<https://www.phoenixcontact.com/us/products/0820222>



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 16.3 mm, lettering field size: 10.5 x 16.25 mm, Number of individual labels: 5

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## SZS 1,0X6,5 VDE - Screwdriver

1205079

<https://www.phoenixcontact.com/us/products/1205079>



Screwdriver, slot-headed, VDE insulated, size: 1.0 x 6.5 x 150 mm, 2-component grip, with non-slip grip

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