

# MUT 4-PE - Mini protective conductor terminal block



3248037

<https://www.phoenixcontact.com/us/products/3248037>

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.



Mini protective conductor terminal block, number of connections: 2, number of positions: 1, connection method: Screw connection, 1 level, Rated cross section: 4 mm<sup>2</sup>, cross section: 0.2 mm<sup>2</sup> - 6 mm<sup>2</sup>, mounting type: NS 15, color: green-yellow

## Your advantages

- Clear arrangement thanks to marking of all terminal points
- Space saving thanks to compact design and mounting option on a 15 mm DIN rail
- Easy potential distribution thanks to standardized plug-in bridges

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 3248037       |
| Packing unit                         | 50 pc         |
| Minimum order quantity               | 50 pc         |
| Sales key                            | BE01          |
| Product key                          | BE1161        |
| GTIN                                 | 4046356801515 |
| Weight per piece (including packing) | 7.63 g        |
| Weight per piece (excluding packing) | 6.964 g       |
| Customs tariff number                | 85369010      |
| Country of origin                    | TR            |

# MUT 4-PE - Mini protective conductor terminal block



3248037

<https://www.phoenixcontact.com/us/products/3248037>

## Technical data

### Product properties

|                       |                       |
|-----------------------|-----------------------|
| Product type          | Ground terminal block |
| Number of positions   | 1                     |
| Number of connections | 2                     |
| Number of rows        | 1                     |

### Insulation characteristics

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

### Electrical properties

|                                                 |        |
|-------------------------------------------------|--------|
| Rated surge voltage                             | 6 kV   |
| Maximum power dissipation for nominal condition | 1.02 W |

### Connection data

|                                 |                   |
|---------------------------------|-------------------|
| Number of connections per level | 2                 |
| Nominal cross section           | 4 mm <sup>2</sup> |
| Rated cross section AWG         | 10                |

#### 1 level

|                                                                   |                                                                |
|-------------------------------------------------------------------|----------------------------------------------------------------|
| Connection method                                                 | Screw connection                                               |
| Screw thread                                                      | M3                                                             |
| Note                                                              | Please observe the current carrying capacity of the DIN rails. |
| Tightening torque                                                 | 0.6 ... 0.8 Nm                                                 |
| Stripping length                                                  | 9 mm                                                           |
| Internal cylindrical gage                                         | A4                                                             |
| Connection in acc. with standard                                  | IEC 60947-7-2                                                  |
| Conductor cross-section rigid                                     | 0.2 mm <sup>2</sup> ... 6 mm <sup>2</sup>                      |
| Cross section AWG                                                 | 24 ... 10 (converted acc. to IEC)                              |
| Conductor cross-section flexible                                  | 0.2 mm <sup>2</sup> ... 6 mm <sup>2</sup>                      |
| Conductor cross-section, flexible [AWG]                           | 24 ... 10 (converted acc. to IEC)                              |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.25 mm <sup>2</sup> ... 4 mm <sup>2</sup>                     |
| Flexible conductor cross-section (ferrule with plastic sleeve)    | 0.25 mm <sup>2</sup> ... 4 mm <sup>2</sup>                     |
| Nominal cross section                                             | 4 mm <sup>2</sup>                                              |

### Ex data

#### Rated data (ATEX/IECEx)

|                             |                                                                  |
|-----------------------------|------------------------------------------------------------------|
| Identification              | Ex II 2 GD Ex eb IIC Gb                                          |
| Operating temperature range | -60 °C ... 110 °C                                                |
| Ex-certified accessories    | 3248033 D-MUT 2,5/4<br>1205053 SZS 0,6X3,5<br>3022263 CLIPFIX 15 |

# MUT 4-PE - Mini protective conductor terminal block



3248037

<https://www.phoenixcontact.com/us/products/3248037>

|        |             |
|--------|-------------|
| output | (Permanent) |
|--------|-------------|

## Ex connection data General

|                              |                                           |
|------------------------------|-------------------------------------------|
| Torque range                 | 0.6 Nm ... 0.8 Nm                         |
| Nominal cross section        | 4 mm <sup>2</sup>                         |
| Rated cross section AWG      | 12                                        |
| Connection capacity rigid    | 0.2 mm <sup>2</sup> ... 6 mm <sup>2</sup> |
| Connection capacity AWG      | 24 ... 10                                 |
| Connection capacity flexible | 0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup> |
| Connection capacity AWG      | 24 ... 12                                 |

## Dimensions

|                 |         |
|-----------------|---------|
| Width           | 6.2 mm  |
| End cover width | 2.2 mm  |
| Height          | 29.9 mm |
| Depth on NS 15  | 34 mm   |

## Material specifications

|                                                                  |              |
|------------------------------------------------------------------|--------------|
| Color                                                            | green-yellow |
| Flammability rating according to UL 94                           | V0           |
| Insulating material group                                        | I            |
| Insulating material                                              | PA           |
| Static insulating material application in cold                   | -60 °C       |
| Relative insulation material temperature index (Elec., UL 746 B) | 130 °C       |
| 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  |
| Surface flammability NFPA 130 (ASTM E 162)                       | passed       |
| Specific optical density of smoke NFPA 130 (ASTM E 662)          | passed       |
| Smoke gas toxicity NFPA 130 (SMP 800C)                           | passed       |

## Mechanical properties

### Mechanical data

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

## Environmental and real-life conditions

### Oscillation/broadband noise

|                        |                                                  |
|------------------------|--------------------------------------------------|
| Specification          | DIN EN 50155 (VDE 0115-200):2008-03              |
| Spectrum               | Long life test category 2, bogie-mounted         |
| Frequency              | f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 250 Hz |
| ASD level              | 6.12 (m/s <sup>2</sup> ) <sup>2</sup> /Hz        |
| Acceleration           | 3.12g                                            |
| Test duration per axis | 5 h                                              |

# MUT 4-PE - Mini protective conductor terminal block



3248037

<https://www.phoenixcontact.com/us/products/3248037>

|                 |                   |
|-----------------|-------------------|
| Test directions | X-, Y- and Z-axis |
| Result          | Test passed       |

## Shocks

|                                |                                     |
|--------------------------------|-------------------------------------|
| Specification                  | DIN EN 50155 (VDE 0115-200):2008-03 |
| Pulse shape                    | Half-sine                           |
| Acceleration                   | 5g                                  |
| Shock duration                 | 30 ms                               |
| Number of shocks per direction | 3                                   |
| Test directions                | X-, Y- and Z-axis (pos. and neg.)   |
| Result                         | Test passed                         |

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

## Standards and regulations

|                                  |               |
|----------------------------------|---------------|
| Connection in acc. with standard | IEC 60947-7-2 |
|----------------------------------|---------------|

## Mounting

|               |       |
|---------------|-------|
| Mounting type | NS 15 |
|---------------|-------|

# MUT 4-PE - Mini protective conductor terminal block

3248037

<https://www.phoenixcontact.com/us/products/3248037>



## Drawings

Circuit diagram



# MUT 4-PE - Mini protective conductor terminal block



3248037

<https://www.phoenixcontact.com/us/products/3248037>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3248037>

|  <b>CSA</b><br>Approval ID: 13631 |                       |                       |                   |                             |
|--------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                                                                                                    | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| B                                                                                                                  | -                     | -                     | 26 - 10           | -                           |
| C                                                                                                                  | -                     | -                     | 26 - 10           | -                           |
| D                                                                                                                  | -                     | -                     | 26 - 10           | -                           |

|  <b>IECEE CB Scheme</b><br>Approval ID: DE1-63066 |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
|------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|

|  <b>cULus Recognized</b><br>Approval ID: E60425 |                       |                       |                   |                             |
|------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                                                                                                                    | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| B                                                                                                                                  | -                     | -                     | 12 - 10           | -                           |
| C                                                                                                                                  | -                     | -                     | 12 - 10           | -                           |

|  <b>VDE Zeichengenehmigung</b><br>Approval ID: 40038970 |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
|--------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|

| <b>DNV</b><br>Approval ID: TAE00003J4 |  |  |  |  |
|---------------------------------------|--|--|--|--|
|---------------------------------------|--|--|--|--|

|  <b>IECEx</b><br>Approval ID: IECEx SEV13.0012U |                       |                       |                   |                             |
|------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                                                                                                                    | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine                                                                                                                              | -                     | -                     | -                 | -                           |
| Only flexible conductors                                                                                                           | -                     | -                     | -                 | 0.2 - 4                     |
| Only rigid conductors                                                                                                              | -                     | -                     | -                 | 0.2 - 6                     |

# MUT 4-PE - Mini protective conductor terminal block



3248037

<https://www.phoenixcontact.com/us/products/3248037>

|                                                                                                                              |                       |                       |                   |                             |
|------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|  <b>ATEX</b><br>Approval ID: SEV13ATEX0178U |                       |                       |                   |                             |
|                                                                                                                              | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine                                                                                                                        |                       |                       |                   |                             |
| Only flexible conductors                                                                                                     | -                     | -                     | -                 | 0.2 - 4                     |
| Only rigid conductors                                                                                                        | -                     | -                     | -                 | 0.2 - 6                     |

|                                                                                                                               |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
|  <b>CCC</b><br>Approval ID: 2020322313000629 |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|

|                                                                                                                                  |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
|  <b>UKCA-EX</b><br>Approval ID: CML 22UKEX1226U |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|

|                                                                                                                                       |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
|  <b>EAC Ex</b><br>Approval ID: KZ 7500525010101950 |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|

# MUT 4-PE - Mini protective conductor terminal block



3248037

<https://www.phoenixcontact.com/us/products/3248037>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27250103 |
| ECLASS-15.0 | 27250103 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC000901 |
|----------|----------|

### UNSPSC

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

# MUT 4-PE - Mini protective conductor terminal block



3248037

<https://www.phoenixcontact.com/us/products/3248037>

## Environmental product compliance

### EU RoHS

|                                         |      |
|-----------------------------------------|------|
| Fulfills EU RoHS substance requirements | Yes  |
| Exemption                               | 6(c) |

### China RoHS

|                                        |                                                                                                                                                                                                                                   |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Environment friendly use period (EFUP) | EFUP-50                                                                                                                                                                                                                           |
|                                        | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

### EU REACH SVHC

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1)                 |
| SCIP                                | 6815b08c-fdc5-4889-813c-8bb842b95bab |

Phoenix Contact 2025 © - 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)