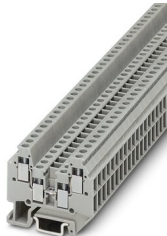


# MT 1,5-QUATTRO - Micro terminal

3001679

<https://www.phoenixcontact.com/de/produkte/3001679>

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.



Micro terminal, nom. voltage: 400 V, nominal current: 16 A, connection method: Screw connection, 1 level, Rated cross section: 1.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, mounting type: NS 15, color: gray

## Your advantages

- Nominal cross section of 1.5 mm<sup>2</sup>
- Design width of just 4.2 mm
- Space saving thanks to compact design and mounting option on a 15 mm DIN rail
- Clear arrangement thanks to marking of all terminal points
- Snap-on foot for NS 15 DIN rails
- Easy potential distribution thanks to standardized screw bridges in the terminal center

## Commercial Data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 3001679             |
| Packing unit                         | 50 pc               |
| Minimum order quantity               | 50 pc               |
| Sales Key                            | A1 - Reihenklemmen  |
| Product Key                          | BE1261              |
| Catalog Page                         | Page 554 (C-1-2019) |
| GTIN                                 | 4017918104375       |
| Weight per Piece (including packing) | 4,39 g              |
| Weight per Piece (excluding packing) | 4,36 g              |
| Customs tariff number                | 85369010            |
| Country of origin                    | TR                  |

# MT 1,5-QUATTRO - Micro terminal



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<https://www.phoenixcontact.com/de/produkte/3001679>

## Technical Data

### Product properties

|                       |                          |
|-----------------------|--------------------------|
| Product type          | Miniature terminal block |
| Number of connections | 4                        |
| Number of rows        | 2                        |
| Potentials            | 1                        |

### Insulation characteristics

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

### Electrical properties

|   |        |
|---|--------|
| Rated surge voltage                             | 4 kV   |
| Maximum power dissipation for nominal condition | 0.56 W |

### Connection data

|                                 |                     |
|---------------------------------|---------------------|
| Number of connections per level | 4                   |
| Nominal cross section           | 1.5 mm <sup>2</sup> |

#### 1 level

|   |  |
|---|--|
| Screw thread  | M2   |
| Tightening torque   | 0.22 ... 0.25 Nm   |
| Stripping length  | 6 mm   |
| Internal cylindrical gage   | A1   |
| Connection in acc. with standard  | IEC 60947-7-1  |
| Conductor cross section rigid   | 0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>   |
| Cross section AWG   | 26 ... 16 (converted acc. to IEC)  |
| Conductor cross section flexible  | 0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>   |
| Conductor cross section, flexible [AWG]   | 26 ... 16 (converted acc. to IEC)  |
| Conductor cross-section flexible (ferrule without plastic sleeve)                   | 0.25 mm <sup>2</sup> ... 0.75 mm <sup>2</sup>  |
| Flexible conductor cross section (ferrule with plastic sleeve)                      | 0.25 mm <sup>2</sup> ... 0.75 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid   | 0.14 mm <sup>2</sup> ... 0.5 mm <sup>2</sup>   |
| 2 conductors with same cross section, flexible                                      | 0.14 mm <sup>2</sup> ... 0.5 mm <sup>2</sup>   |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve | 0.25 mm <sup>2</sup> ... 0.34 mm <sup>2</sup>  |
| Nominal current   | 16 A   |
| Maximum load current  | 16 A (in case of a 1.5 mm <sup>2</sup> conductor cross section, the maximum load current must not be exceeded by the total current of all connected conductors.) |
| Nominal voltage   | 400 V  |
| Nominal cross section   | 1.5 mm <sup>2</sup>  |

### Dimensions

|       |        |
|-------|--------|
| Width | 4.2 mm |
|-------|--------|

# MT 1,5-QUATTRO - Micro terminal



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|                 |         |
|-----------------|---------|
| End cover width | 1 mm    |
| Height          | 33.5 mm |
| Height NS 15    | 30 mm   |
| Height          | 1.181 " |
| Length          | 33.5 mm |

## Material specifications

|   |             |
|---|-------------|
| Color   | gray        |
| Flammability rating according to UL 94                                  | V0          |
| Insulating material group   | I           |
| Insulating material   | PA          |
| 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      |
| 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 |
| Calorimetric heat release NFPA 130 (ASTM E 1354)                        | 28 MJ/kg    |
| 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      |

## Electrical tests

### Surge voltage test

|                       |             |
|-----------------------|-------------|
| Test voltage setpoint | 4.8 kV      |
| Result                | Test passed |

### Temperature-rise test

|  |                                     |
|--|-------------------------------------|
| Requirement temperature-rise test                | Increase in temperature $\leq$ 45 K |
| Result   | Test passed                         |
| Short-time withstand current 1.5 mm <sup>2</sup> | 0.18 kA                             |
| Result   | Test passed                         |

### Power-frequency withstand voltage

|                       |             |
|-----------------------|-------------|
| Test voltage setpoint | 1.89 kV     |
| Result                | Test passed |

## Mechanical properties

### Mechanical data

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

## Mechanical tests

# MT 1,5-QUATTRO - Micro terminal



3001679

<https://www.phoenixcontact.com/de/produkte/3001679>

## Mechanical strength

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

## Attachment on the carrier

|                         |             |
|-------------------------|-------------|
| DIN rail/fixing support | NS 15       |
| Test force setpoint     | 1 N         |
| Result                  | Test passed |

## Test for conductor damage and slackening

|                                |   |
|--------------------------------|---|
| Rotation speed                 | 10 rpm  |
| Revolutions                    | 135   |
| Conductor cross section/weight | 0.14 mm <sup>2</sup> / 0.2 kg<br>1.5 mm <sup>2</sup> / 0.4 kg |
| Result                         | Test passed   |

## Environmental and real-life conditions

### Needle-flame test

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

### Ambient conditions

|  |   |
|--|---|
| Ambient temperature (operation)          | -60 °C ... 105 °C (max. short-term operating temperature 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 (storage/transport) | 30 % ... 70 %   |

## Standards and regulations

|                                  |               |
|----------------------------------|---------------|
| Connection in acc. with standard | IEC 60947-7-1 |
|----------------------------------|---------------|

## Mounting

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

# MT 1,5-QUATTRO - Micro terminal

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## Drawings

### Circuit diagram



# MT 1,5-QUATTRO - Micro terminal





3001679


<https://www.phoenixcontact.com/de/produkte/3001679>


## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/de/produkte/3001679>

|  <b>CSA</b><br>Approval ID: 13631 |                       |                       |                   |                             |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
|  | Nominal Voltage $U_N$ | Nominal Current $I_N$ | Cross Section AWG | Cross Section $\text{mm}^2$ |
|  | 300 V                 | 15 A                  | 28 - 14           | -                           |

|  <b>EAC</b><br>Approval ID: RU C-DE.BL08.B.00534 |  |  |  |  |
|---|--|--|--|--|
|---|--|--|--|--|

|  <b>cULus Recognized</b><br>Approval ID: E60425 |                       |                       |                   |                             |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
|  | Nominal Voltage $U_N$ | Nominal Current $I_N$ | Cross Section AWG | Cross Section $\text{mm}^2$ |
| Use group B  | 300 V                 | 15 A                  | 30 - 14           | -                           |
| Use group F  | 400 V                 | 15 A                  | 30 - 14           | -                           |
| Use group D  | 300 V                 | 10 A                  | 30 - 14           | -                           |

|  <b>LR</b><br>Approval ID: LR2041789TA-02 |  |  |  |  |
|--|--|--|--|--|
|--|--|--|--|--|

|  <b>BV</b><br>Approval ID: 07774/E0 BV |  |  |  |  |
|---|--|--|--|--|
|---|--|--|--|--|

# MT 1,5-QUATTRO - Micro terminal



3001679

<https://www.phoenixcontact.com/de/produkte/3001679>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27141120 |
| ECLASS-13.0 | 27250102 |

### ETIM

|          |          |
|----------|----------|
| ETIM 8.0 | EC000897 |
|----------|----------|

### UNSPSC

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

# MT 1,5-QUATTRO - Micro terminal

3001679

<https://www.phoenixcontact.com/de/produkte/3001679>



## Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |




# MT 1,5-QUATTRO - Micro terminal

3001679

<https://www.phoenixcontact.com/de/produkte/3001679>

## Accessories

 Note: Applying some accessories below might limit this product.

### FBRN 2-4 N - Fixed bridge

3001543

<https://www.phoenixcontact.com/de/produkte/3001543>



Fixed bridge, number of positions: 2, color: silver

 Max. current carrying capacity: 12 A

Fingers are protected from contact


### FBRN 3-4 N - Fixed bridge

3001556

<https://www.phoenixcontact.com/de/produkte/3001556>



Fixed bridge, number of positions: 3, color: silver

 Max. current carrying capacity: 12 A

Fingers are protected from contact

# MT 1,5-QUATTRO - Micro terminal

3001679

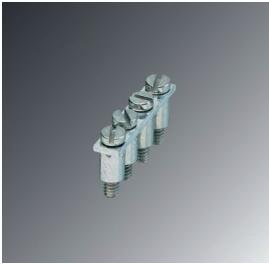
<https://www.phoenixcontact.com/de/produkte/3001679>




## FBRN 4-4 N - Fixed bridge

3001569

<https://www.phoenixcontact.com/de/produkte/3001569>



Fixed bridge, pitch: 4 mm, number of positions: 4, color: silver

 Max. current carrying capacity: 12 A

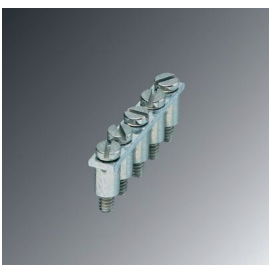
Fingers are protected from contact

---

## FBRN 5-4 N - Fixed bridge

3001572

<https://www.phoenixcontact.com/de/produkte/3001572>



Fixed bridge, number of positions: 5, color: silver

 Max. current carrying capacity: 12 A

Fingers are protected from contact

---

# MT 1,5-QUATTRO - Micro terminal

3001679

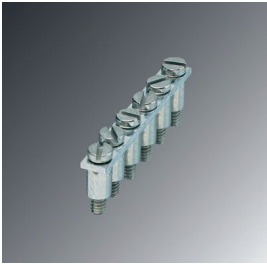
<https://www.phoenixcontact.com/de/produkte/3001679>




## FBRN 6-4 N - Fixed bridge

3001585

<https://www.phoenixcontact.com/de/produkte/3001585>



Fixed bridge, number of positions: 6, color: silver

 Max. current carrying capacity: 12 A

Fingers are protected from contact

---


## FBRN 7-4 N - Fixed bridge

3001598

<https://www.phoenixcontact.com/de/produkte/3001598>



Fixed bridge, number of positions: 7, color: silver

 Max. current carrying capacity: 12 A

Fingers are protected from contact

---

# MT 1,5-QUATTRO - Micro terminal

3001679

<https://www.phoenixcontact.com/de/produkte/3001679>



## FBRN 8-4 N - Fixed bridge

3001608

<https://www.phoenixcontact.com/de/produkte/3001608>

Fixed bridge, pitch: 4 mm, number of positions: 8, color: silver



 Max. current carrying capacity: 12 A

Fingers are protected from contact

---


## FBRN 10-4 N - Fixed bridge

3001624

<https://www.phoenixcontact.com/de/produkte/3001624>

Fixed bridge, pitch: 4.2 mm, number of positions: 10, color: silver



 Max. current carrying capacity: 12 A

Fingers are protected from contact

# MT 1,5-QUATTRO - Micro terminal

3001679

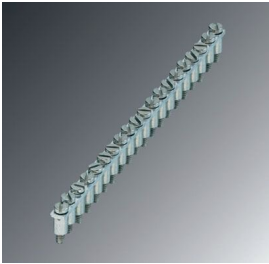
<https://www.phoenixcontact.com/de/produkte/3001679>



## FBRN 20-4 N - Fixed bridge

3001637

<https://www.phoenixcontact.com/de/produkte/3001637>



Fixed bridge, number of positions: 20, color: silver

 Max. current carrying capacity: 12 A

Fingers are protected from contact

---

## D-MT 1,5-QUATTRO - End cover

3002982

<https://www.phoenixcontact.com/de/produkte/3002982>



End cover, length: 33.6 mm, width: 1 mm, height: 24.3 mm, color: gray

## MT 1,5-QUATTRO - Micro terminal

3001679

<https://www.phoenixcontact.com/de/produkte/3001679>



## SZS 0,4X2,5 VDE - Screwdriver

1205037

<https://www.phoenixcontact.com/de/produkte/1205037>



Screwdriver, slot-headed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip

---

## NS 15 UNPERF 2000MM VPE 10 - DIN rail, unperforated

1401695

<https://www.phoenixcontact.com/de/produkte/1401695>



DIN rail, unperforated, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver, Pack of 10 (20 m)

# MT 1,5-QUATTRO - Micro terminal

3001679

<https://www.phoenixcontact.com/de/produkte/3001679>



## NS 15 PERF 2000MM VPE 10 - DIN rail perforated

1401682

<https://www.phoenixcontact.com/de/produkte/1401682>



DIN rail perforated, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver, Pack of 10 (20 m)

---

## NS 15 AL PERF 2000MM VPE 10 - DIN rail perforated

1401763

<https://www.phoenixcontact.com/de/produkte/1401763>



DIN rail perforated, acc. to EN 60715, material: Aluminum, uncoated, Standard profile, color: silver, Pack of 10 (20 m)

## MT 1,5-QUATTRO - Micro terminal

3001679

<https://www.phoenixcontact.com/de/produkte/3001679>



## NS 15 WH PERF 2000MM-VPE 10 - DIN rail perforated

1204096

<https://www.phoenixcontact.com/de/produkte/1204096>



DIN rail perforated, acc. to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver, Pack of 10 (20 m)

---

## ZBF 4:UNBEDRUCKT - Zack Marker strip, flat

0808587

<https://www.phoenixcontact.com/de/produkte/0808587>



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snapped, for terminal block width: 4 mm, lettering field size: 4.2 x 5.2 mm, Number of individual labels: 10



## MT 1,5-QUATTRO - Micro terminal

3001679

<https://www.phoenixcontact.com/de/produkte/3001679>



### ZBF 4 CUS - Zack Marker strip, flat

0825023

<https://www.phoenixcontact.com/de/produkte/0825023>



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: 4.2 mm, lettering field size: 4.2 x 5.2 mm, Number of individual labels: 10

---

### ZBF 4,LGS:FORTL.ZAHLEN - Zack Marker strip, flat

0808626

<https://www.phoenixcontact.com/de/produkte/0808626>



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snapped, for terminal block width: 4 mm, lettering field size: 4.2 x 5.2 mm, Number of individual labels: 10

## MT 1,5-QUATTRO - Micro terminal

3001679

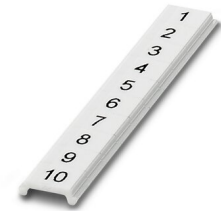
<https://www.phoenixcontact.com/de/produkte/3001679>



### ZBF 4,QR:FORTL.ZAHLEN - Zack Marker strip, flat

0808820

<https://www.phoenixcontact.com/de/produkte/0808820>



Zack Marker strip, flat, Strip, white, labeled, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snapped, for terminal block width: 4 mm, lettering field size: 4.2 x 5.2 mm, Number of individual labels: 10

---

### ZBF 4,LGS:GERADE ZAHLEN - Zack Marker strip, flat

0810818

<https://www.phoenixcontact.com/de/produkte/0810818>



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive even numbers 2 ... 20, 22 ... 40, etc. up to 82 ... 100, mounting type: snapped, for terminal block width: 4 mm, lettering field size: 5.15 x 4.15 mm, Number of individual labels: 10

# MT 1,5-QUATTRO - Micro terminal

3001679

<https://www.phoenixcontact.com/de/produkte/3001679>



## ZBF 4,LGS:UNGERADE ZAHLEN - Zack Marker strip, flat

0810850

<https://www.phoenixcontact.com/de/produkte/0810850>



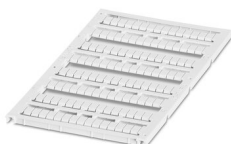
Zack Marker strip, flat, Strip, white, labeled, printed horizontally: Odd numbers 1 - 19, 21 - 39, etc. up to 81 - 99, mounting type: snapped, for terminal block width: 4 mm, lettering field size: 5.15 x 4.15 mm, Number of individual labels: 10

---

## UC-TMF 4 - Marker for terminal blocks

0818166

<https://www.phoenixcontact.com/de/produkte/0818166>



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 4.2 mm, lettering field size: 3.6 x 5.1 mm, Number of individual labels: 120

# MT 1,5-QUATTRO - Micro terminal

3001679

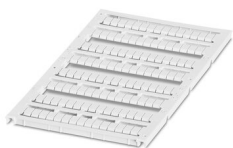
<https://www.phoenixcontact.com/de/produkte/3001679>



## UC-TMF 4 CUS - Marker for terminal blocks

0824630

<https://www.phoenixcontact.com/de/produkte/0824630>



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 4.2 mm, lettering field size: 3.6 x 5.1 mm, Number of individual labels: 120

---

## UCT-TMF 4 - Marker for terminal blocks

0828742

<https://www.phoenixcontact.com/de/produkte/0828742>



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, for terminal block width: 4.2 mm, lettering field size: 3.4 x 4.7 mm, Number of individual labels: 90

# MT 1,5-QUATTRO - Micro terminal

3001679

<https://www.phoenixcontact.com/de/produkte/3001679>



## UCT-TMF 4 CUS - Marker for terminal blocks

0829651

<https://www.phoenixcontact.com/de/produkte/0829651>



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 4.2 mm, lettering field size: 3.4 x 4.7 mm, Number of individual labels: 90

---

## E/MBK - End clamp

1401637

<https://www.phoenixcontact.com/de/produkte/1401637>



End clamp, width: 6.2 mm, color: gray

# MT 1,5-QUATTRO - Micro terminal

3001679

<https://www.phoenixcontact.com/de/produkte/3001679>



## E/MK - End clamp

1421633

<https://www.phoenixcontact.com/de/produkte/1421633>

End clamp, width: 6.2 mm, color: gray



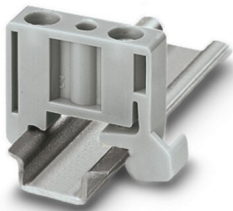
---

## E/MK 1 - End clamp

1421659

<https://www.phoenixcontact.com/de/produkte/1421659>

End clamp width: 6 mm, color: gray



# MT 1,5-QUATTRO - Micro terminal

3001679

<https://www.phoenixcontact.com/de/produkte/3001679>



## PAI-4 - Test adapter

3030925

<https://www.phoenixcontact.com/de/produkte/3030925>



Test adapter, Touch proof against unintentional direct contact according to DIN EN 50274 when plugged in, for 4 mm test plug and terminal blocks with 4.2 mm pitch, number of positions: 1, color: gray

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