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# Micro terminal - MT 1,5 - 3100305

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Micro terminal, Connection method: Screw connection, Cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 16, Width: 4.2 mm, Color: gray, Mounting type: NS 15

## Product Features

- Nominal cross section of 1.5 mm²
- 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
- Wide range of labeling options
- Easy potential distribution thanks to standardized plug-in bridges
- Can be bridged in terminal center
- Snap-on foot for NS 15 DIN rails

## Key Commercial Data

| | |
|---|---|
| Packing unit | 1 pc |
| Minimum order quantity | 50 pc |
| GTIN | 4 017918 099251 |
| Weight per Piece (excluding packing) | 2.33 g |
| Custom tariff number | 85369010 |
| Country of origin | Turkey |

## Technical data

### General

| | |
|---|---|
| Number of levels | 1 |
| Number of connections | 2 |
| Nominal cross section | 1.5 mm² |

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## Technical data

### General

| Color | gray |
|---|---|
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Rated surge voltage | 4 kV |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Insulating material group | I |
| Maximum load current | 17.5 A (with 1.5 mm² conductor cross section) |
| Nominal current $I_N$ | 17.5 A |
| Nominal voltage $U_N$ | 400 V |
| Open side panel | Yes |

### Dimensions

| Width | 4.2 mm |
|---|---|
| End cover width | 1 mm |
| Length | 22 mm |
| Height NS 15 | 23.5 mm |

### Connection data

| Connection method | Screw connection |
|---|---|
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross section solid min. | 0.14 mm² |
| Conductor cross section solid max. | 1.5 mm² |
| Conductor cross section AWG min. | 26 |
| Conductor cross section AWG max. | 16 |
| Conductor cross section flexible min. | 0.14 mm² |
| Conductor cross section flexible max. | 1.5 mm² |
| Min. AWG conductor cross section, flexible | 26 |
| Max. AWG conductor cross section, flexible | 16 |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 0.75 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.25 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 0.75 mm² |
| 2 conductors with same cross section, solid min. | 0.14 mm² |
| 2 conductors with same cross section, solid max. | 0.5 mm² |
| 2 conductors with same cross section, stranded min. | 0.14 mm² |
| 2 conductors with same cross section, stranded max. | 0.5 mm² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.25 mm² |

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## Technical data

### Connection data

| | |
|---|---|
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 0.34 mm² |
| Stripping length | 6 mm |
| Internal cylindrical gage | A1 |
| Screw thread | M2 |
| Tightening torque, min | 0.22 Nm |
| Tightening torque max | 0.25 Nm |

### Standards and Regulations

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

## Classifications

### eCl@ss

| | |
|---|---|
| eCl@ss 4.0 | 27141123 |
| eCl@ss 4.1 | 27141123 |
| eCl@ss 5.0 | 27141120 |
| eCl@ss 5.1 | 27141120 |
| eCl@ss 6.0 | 27141120 |
| eCl@ss 7.0 | 27141120 |
| eCl@ss 8.0 | 27141120 |
| eCl@ss 9.0 | 27141120 |

### ETIM

| | |
|---|---|
| ETIM 2.0 | EC000897 |
| ETIM 3.0 | EC000897 |
| ETIM 4.0 | EC000897 |
| ETIM 5.0 | EC000897 |

### UNSPSC

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

# Micro terminal - MT 1,5 - 3100305

## Approvals

### Approvals

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Approvals

CSA / UL Recognized / GL / BV / DNV / CCA / EAC / EAC

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Ex Approvals

EAC Ex

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Approvals submitted

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### Approval details

CSA

| | |
|---|---|
| mm²/AWG/kcmil | 28-14 |
| Nominal current IN | 15 A |
| Nominal voltage UN | 300 V |

UL Recognized

| | |
|---|---|
| mm²/AWG/kcmil | 30-14 |
| Nominal current IN | 15 A |
| Nominal voltage UN | 300 V |

GL

BV

DNV

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## Approvals

| CCA | |
|---|---|
| | |
| mm²/AWG/kcmil | 1.5 |
| Nominal voltage UN | 400 V |

| EAC |
|---|

| EAC |
|---|

## Accessories

Accessories

DIN rail

DIN rail, unperforated - NS 15 UNPERF 2000MM - 1401695

DIN rail, material: Steel, unperforated, height 5.5 mm, width 15 mm, length: 2 m

DIN rail perforated - NS 15 PERF 2000MM - 1401682

DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 5.5 mm, width 15 mm, length: 2000 mm

DIN rail perforated - NS 15 AL PERF 2000MM - 1401763

DIN rail, material: Aluminum, perforated, height 5.5 mm, width 15 mm, length: 2 m

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## Accessories

DIN rail perforated - NS 15 WH PERF 2000MM - 1204096

DIN rail, material: steel, perforated, height 5.5 mm, width 15 mm, length: 2 m

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End block

End clamp - E/MBK - 1401637

End clamp, width: 6.2 mm, color: gray

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End clamp - E/MK - 1421633

End clamp, width: 6.2 mm, color: gray

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End clamp - E/MK 1 - 1421659

End clamp width: 6 mm, color: gray

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End clamp - CLIPFIX 15 - 3022263

Snap-on end bracket, to be snapped onto NS 15 DIN rail

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# Micro terminal - MT 1,5 - 3100305

## Accessories

### End cover

End cover - D-MT 1,5 - 3100321

End cover, Length: 22 mm, Width: 1 mm, Color: gray

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### Labeled terminal marker

Zack Marker strip, flat - ZBF 4 CUS - 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: 4.2 x 5.2 mm

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Zack Marker strip, flat - ZBF 4,LGS:FORTL.ZAHLEN - 0808626

Zack Marker strip, flat, Strip, white, labeled, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 100, Mounting type: Snap into flat marker groove, for terminal block width: 4 mm, Lettering field: 4.2 x 5.2 mm

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Zack Marker strip, flat - ZBF 4,QR:FORTL.ZAHLEN - 0808820

Zack Marker strip, flat, Strip, white, labeled, Printed vertically: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 100, Mounting type: Snap into flat marker groove, for terminal block width: 4 mm, Lettering field: 4.2 x 5.2 mm

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Zack Marker strip, flat - ZBF 4,LGS:GERADE ZAHLEN - 0810818

Zack Marker strip, flat, Strip, white, labeled, Printed horizontally: Consecutive numbers 2 - 20, 22 - 40, etc. up to 82 - 100, Mounting type: Snap into flat marker groove, for terminal block width: 4 mm, Lettering field: 5.15 x 4.15 mm

# Micro terminal - MT 1,5 - 3100305

## Accessories

Zack Marker strip, flat - ZBF 4,LGS:UNGERADE ZAHLEN - 0810850

Zack Marker strip, flat, Strip, white, labeled, Printed horizontally: Odd numbers 1 - 19, 21 - 39, etc. up to 81 - 99, Mounting type: Snap into flat marker groove, for terminal block width: 4 mm, Lettering field: 5.15 x 4.15 mm

Marker for terminal blocks - UC-TMF 4 CUS - 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: 3.6 x 5.1 mm

Marker for terminal blocks - UCT-TMF 4 CUS - 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: 3.4 x 4.7 mm

## Screw bridge

Fixed bridge - FBRN 2-4 N - 3001543

Fixed bridge, Number of positions: 2, Color: silver

Fixed bridge - FBRN 3-4 N - 3001556

Fixed bridge, Number of positions: 3, Color: silver

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## Accessories

Fixed bridge - FBRN 4-4 N - 3001569

Fixed bridge, Pitch: 4 mm, Number of positions: 4, Color: silver

Fixed bridge - FBRN 5-4 N - 3001572

Fixed bridge, Number of positions: 5, Color: silver

Fixed bridge - FBRN 6-4 N - 3001585

Fixed bridge, Number of positions: 6, Color: silver

Fixed bridge - FBRN 7-4 N - 3001598

Fixed bridge, Number of positions: 7, Color: silver

Fixed bridge - FBRN 8-4 N - 3001608

Fixed bridge, Pitch: 4 mm, Number of positions: 8, Color: silver

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## Accessories

Fixed bridge - FBRN 10-4 N - 3001624

Fixed bridge, Pitch: 4.2 mm, Number of positions: 10, Color: silver

Fixed bridge - FBRN 20-4 N - 3001637

Fixed bridge, Number of positions: 20, Color: silver

## Screwdriver tools

Screwdriver - SZS 0,4X2,5 VDE - 1205037

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

## Terminal marking

Zack Marker strip, flat - ZBF 4:UNBEDRUCKT - 0808587

Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into flat marker groove, for terminal block width: 4 mm, Lettering field: 4.2 x 5.2 mm

Marker for terminal blocks - UC-TMF 4 - 0818166

Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, Plotter, Mounting type: Snap into flat marker groove, for terminal block width: 4.2 mm, Lettering field: 3.6 x 5.1 mm

# Micro terminal - MT 1,5 - 3100305

## Accessories

Marker for terminal blocks - UCT-TMF 4 - 0828742

Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, TOPMARK LASER, Mounting type: Snap into flat marker groove, for terminal block width: 4.2 mm, Lettering field: 3.4 x 4.7 mm
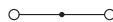
## Test socket

Test adapter - PAI-4 - 3030925

4 mm test adapter, for all terminal blocks with 4.2 mm to 8.2 mm pitch

## Drawings

### Circuit diagram

# Mouser Electronics

Authorized Distributor

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