

Mini feed-through terminal block - MSDB 2,5-RZ OG - 3244368

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Mini feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Spring-cage connection, number of connections: 4, cross section: 0.08 mm² - 4 mm², AWG: 28 - 12, width: 10.4 mm, height: 22 mm, color: orange, mounting type: on mounting plate


Your advantages

- ✓ Can be freely combined with MS(D)B 2,5-M middle terminal blocks
- ✓ Space saving thanks to compact design and mounting option on a 15 mm DIN rail
- ✓ Clear arrangement thanks to marking of all terminal points
- ✓ Easy potential distribution thanks to standardized plug-in bridges

RoHS



Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| Minimum order quantity | 50 pc |
| GTIN |  4 046356 145534 |
| GTIN | 4046356145534 |
| Weight per Piece (excluding packing) | 7.200 g |
| Custom tariff number | 85369010 |
| Country of origin | China |

Technical data

General

| | |
|-----------------------|---------------------|
| Number of levels | 1 |
| Number of connections | 4 |
| Nominal cross section | 2.5 mm ² |
| Color | orange |
| Insulating material | PA |

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Technical data

General

| | |
|---|---|
| Flammability rating according to UL 94 | V0 |
| Rated surge voltage | 8 kV |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Insulating material group | I |
| Maximum power dissipation for nominal condition | 0.77 W |
| Designation | Level 1 above 1 below 1 |
| Maximum load current | 30 A (with 4 mm ² conductor cross section) |
| Nominal current I _N | 24 A |
| Nominal voltage U _N | 800 V |
| Open side panel | Yes |

Dimensions

| | |
|--------------------|-------------------|
| Width | 10.4 mm |
| End cover width | 4 mm |
| Length | 32 mm |
| Height | 22 mm |
| Hole diameter | 3.5 mm |
| Drill hole spacing | 10.3 mm |
| Plate thickness | 0.6 mm ... 1.5 mm |

Connection data

| | |
|--|------------------------|
| Connection | 1 level |
| Connection method | Spring-cage connection |
| Stripping length | 8 mm |
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross section solid min. | 0.08 mm ² |
| Conductor cross section solid max. | 4 mm ² |
| Conductor cross section AWG min. | 28 |
| Conductor cross section AWG max. | 12 |
| Conductor cross section flexible min. | 0.08 mm ² |
| Conductor cross section flexible max. | 2.5 mm ² |
| Min. AWG conductor cross section, flexible | 28 |
| Max. AWG conductor cross section, flexible | 14 |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.14 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 2.5 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.14 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 2.5 mm ² |

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Technical data

Connection data

| | |
|---|---------------------|
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 0.5 mm ² |
| Connection in acc. with standard | IEC/EN 60079-7 |
| Internal cylindrical gage | A3 |

Standards and Regulations

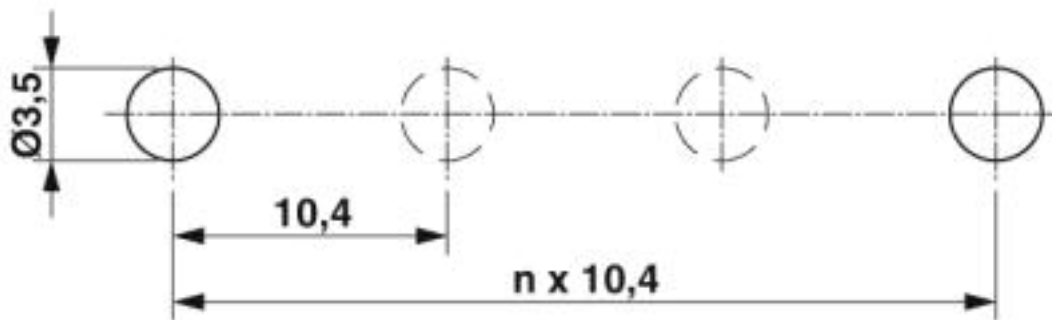
| | |
|--|---------------|
| Connection in acc. with standard | CSA |
| | IEC 60947-7-1 |
| Flammability rating according to UL 94 | V0 |

Environmental Product Compliance

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

Drawings

Dimensional drawing



Circuit diagram



Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27141100 |
| eCl@ss 4.1 | 27141100 |
| eCl@ss 5.0 | 27141100 |
| eCl@ss 5.1 | 27141100 |

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Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 6.0 | 27141100 |
| eCl@ss 7.0 | 27141120 |
| eCl@ss 8.0 | 27141120 |
| eCl@ss 9.0 | 27141120 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC000902 |
| ETIM 3.0 | EC000902 |
| ETIM 4.0 | EC000902 |
| ETIM 5.0 | EC000897 |
| ETIM 6.0 | EC000897 |
| ETIM 7.0 | EC000897 |

UNSPSC

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

Approvals

Approvals

Approvals

CSA / UL Recognized / cUL Recognized / IECCE CB Scheme / VDE Zeichengenehmigung / EAC / cULus Recognized

Ex Approvals

IECEx / ATEX / EAC Ex

Approval details

| | | | |
|--------------------|---|---|-------|
| CSA |  | http://www.csagroup.org/services-industries/product-listing/ | 13631 |
| | B | C | |
| Nominal voltage UN | 600 V | 600 V | |

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Approvals

| | B | C |
|----------------------------|-------|-------|
| Nominal current IN | 20 A | 20 A |
| mm ² /AWG/kcmil | 28-12 | 28-12 |

| UL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |
|----------------------------|-------|---|--------------|
| | B | C | |
| Nominal voltage UN | 600 V | 600 V | |
| Nominal current IN | 20 A | 20 A | |
| mm ² /AWG/kcmil | 28-12 | 28-12 | |

| cUL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |
|----------------------------|-------|---|--------------|
| | B | C | |
| Nominal voltage UN | 600 V | 600 V | |
| Nominal current IN | 20 A | 20 A | |
| mm ² /AWG/kcmil | 28-12 | 28-12 | |

| IECEE CB Scheme | | http://www.iecee.org/ | DE1-52239 |
|----------------------------|-------|---|-----------|
| | | | |
| Nominal voltage UN | 800 V | | |
| Nominal current IN | 24 A | | |
| mm ² /AWG/kcmil | 2.5 | | |

| VDE Zeichengenehmigung | | http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx | 40037485 |
|----------------------------|---------|---|----------|
| | | | |
| Nominal voltage UN | 800 V | | |
| Nominal current IN | 24 A | | |
| mm ² /AWG/kcmil | 0.2-2.5 | | |

| | | |
|-----|--|--------------------------|
| EAC | | RU C- DE.A*30.B.01742 |
|-----|--|--------------------------|

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Approvals

cULus Recognized



Accessories

Accessories

End cover

End cover - D-MZB 1,5 - 3024177



End cover, length: 32 mm, width: 4 mm, height: 22 mm, color: gray

End cover - D-MZB 1,5 BU - 3024423



End cover, length: 32 mm, width: 4 mm, height: 22 mm, color: blue

Insertion bridge

Insertion bridge - ESB 2-MZDB - 3029703



Insertion bridge, pitch: 6.2 mm, number of positions: 2, color: gray

Labeled terminal marker

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Accessories

Zack Marker strip, flat - ZBF 5 CUS - 0825025



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: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

Zack Marker strip, flat - ZBF 5,LGS:FORTL.ZAHLEN - 0808671



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 491 ... 500, mounting type: snap into flat marker groove, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

Zack Marker strip, flat - ZBF 5,QR:FORTL.ZAHLEN - 0808697



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: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

Zack Marker strip, flat - ZBF 5,LGS:GERADE ZAHLEN - 0810821



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: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

Zack Marker strip, flat - ZBF 5,LGS:UNGERADE ZAHLEN - 0810863



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: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

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Accessories

Marker for terminal blocks - UC-TMF 5 CUS - 0824638



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: 5.2 mm, lettering field size: 4.6 x 5.1 mm, Number of individual labels: 96

Marker for terminal blocks - UCT-TMF 5 CUS - 0829658



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: 5.2 mm, lettering field size: 4.4 x 4.7 mm, Number of individual labels: 72

Screwdriver tools

Screwdriver - SZF 1-0,6X3,5 - 1204517



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

Screwdriver - ST-BW - 1207608



Actuation tool, for all 2.5 mm² - 4.0 mm² spring-cages

Terminal marking

Zack Marker strip, flat - ZBF 5:UNBEDRUCKT - 0808642



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 5 mm, lettering field size: 5.1 x 5.2 mm, Number of individual labels: 10

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Accessories

Marker for terminal blocks - UC-TMF 5 - 0818153



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 5.2 mm, lettering field size: 4.6 x 5.1 mm, Number of individual labels: 96

Marker for terminal blocks - UCT-TMF 5 - 0828744



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: snap into flat marker groove, for terminal block width: 5.2 mm, lettering field size: 4.4 x 4.7 mm, Number of individual labels: 72
