

Mini feed-through terminal block - MSDB 2,5-F BU - 3244245

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Mini feed-through terminal block, 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: blue, Mounting type: On mounting plate

The figure shows a version of the article

Why buy this product

- 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



Key Commercial Data

| | |
|--------------------------------------|---------------|
| Packing unit | 50 STK |
| Minimum order quantity | 50 STK |
| GTIN | |
| GTIN | 4046356145602 |
| Weight per Piece (excluding packing) | 7.020 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 | blue |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Rated surge voltage | 8 kV |

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Technical data

General

| | |
|---|---|
| Degree of pollution | 3 |
| Overvoltage category | III |
| Insulating material group | I |
| Maximum power dissipation for nominal condition | 0.77 W |
| 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 |
| Relative insulation material temperature index (Elec., UL 746 B) | 130 °C |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 130 °C |
| Static insulating material application in cold | -60 °C |
| Behavior in fire for rail vehicles (DIN 5510-2) | Test passed |
| Flame test method (DIN EN 60695-11-10) | V0 |
| Oxygen index (DIN EN ISO 4589-2) | >32 % |
| NF F16-101, NF F10-102 Class I | 2 |
| NF F16-101, NF F10-102 Class F | 2 |
| 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 |
| Calorimetric heat release NFPA 130 (ASTM E 1354) | 28 MJ/kg |
| 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 |

Dimensions

| | |
|-----------------|---------|
| Width | 10.4 mm |
| End cover width | 4 mm |
| Length | 32 mm |
| Height | 22 mm |

Connection data

| | |
|--|------------------------|
| Connection method | Spring-cage connection |
| 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 |

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Connection data

| | |
|---|----------------------|
| 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 |
| 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 |
| Stripping length | 8 mm |
| 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

Circuit diagram



Approvals

Approvals

Approvals

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

Ex Approvals

ATEX / IECEx / EAC Ex

Approval details

Mini feed-through terminal block - MSDB 2,5-F BU - 3244245

Approvals

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

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


| | | | |
|----------------------------|-------|---|-------|
| CSA | | http://www.csagroup.org/services/testing-and-certification/certified-product-listing/ | 13631 |
| | B | C | |
| mm ² /AWG/kcmil | 28-12 | 28-12 | |
| Nominal current IN | 20 A | 20 A | |
| Nominal voltage UN | 600 V | 600 V | |


| | | | |
|----------------------------|---------|---|----------|
| VDE Zeichengenehmigung | | http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx | 40037485 |
| | | | |
| mm ² /AWG/kcmil | 0.2-2.5 | | |
| Nominal current IN | 24 A | | |
| Nominal voltage UN | 800 V | | |

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

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Approvals

| | | |
|-----|---|---------------------|
| EAC |  | 7500651.22.01.00246 |
|-----|---|---------------------|

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|------------------|---|---|
| cULus Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm |
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