

# Mini feed-through terminal block - MSDB 2,5-M BU - 3244261

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Mini feed-through terminal block, Connection method: Spring-cage connection, Cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 28 - 12, Width: 10.4 mm, Height: 22 mm, Color: blue, Mounting type: Direct mounting with flange




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 pc
Minimum order quantity	50 pc
GTIN	
Weight per Piece (excluding packing)	6.87 g
Custom tariff number	85369010
Country of origin	China

## Technical data

### General

Number of levels	1
Number of connections	4
Color	blue
Insulating material	PA
Inflammability class according to UL 94	V0
Rated surge voltage	8 kV
Pollution degree	3
Surge voltage category	III

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## Technical data

### General

Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Maximum load current	30 A (with 4 mm <sup>2</sup> conductor cross section)
Nominal current I <sub>N</sub>	24 A
Nominal voltage U <sub>N</sub>	800 V
Maximum load current	30 A (with 4 mm <sup>2</sup> conductor cross section)
Open side panel	JA

### Dimensions

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

### Connection data

Connection in acc. with standard	IEC 60947-7-1
Connection method	Spring-cage connection
Conductor cross section solid min.	0.08 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	28
Conductor cross section AWG/kcmil max.	12
Conductor cross section stranded min.	0.08 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Min. AWG conductor cross section, stranded	28
Max. AWG conductor cross section, stranded	14
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.14 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.14 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	2.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	0.5 mm <sup>2</sup>
Stripping length	8 mm
Internal cylindrical gage	A3

## Classifications

### eCl@ss

eCl@ss 4.0	27141120
eCl@ss 4.1	27141120
eCl@ss 5.0	27141120
eCl@ss 5.1	27141120

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## Classifications

### eCl@ss

eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141120

### ETIM

ETIM 2.0	EC000902
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

## Approvals

### Approvals

#### Approvals


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

#### Ex Approvals

ATEX / IECEx / EAC Ex

#### Approvals submitted

## Approval details

UL Recognized 		
	B	C
mm <sup>2</sup> /AWG/kcmil	28-12	28-12
Nominal current I <sub>N</sub>	20 A	20 A
Nominal voltage U <sub>N</sub>	600 V	600 V

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## Approvals

cUL Recognized

	B	C
mm <sup>2</sup> /AWG/kcmil	28-12	28-12
Nominal current IN	20 A	20 A
Nominal voltage UN	600 V	600 V

CSA

	B	C
mm <sup>2</sup> /AWG/kcmil	28-12	28-12
Nominal current IN	20 A	20 A
Nominal voltage UN	600 V	600 V

VDE Zeichengenehmigung

mm <sup>2</sup> /AWG/kcmil	0.2-2.5
Nominal current IN	24 A
Nominal voltage UN	800 V

IECEE CB Scheme

mm <sup>2</sup> /AWG/kcmil	2.5
Nominal current IN	24 A
Nominal voltage UN	800 V

EAC

cULus Recognized

## Accessories

Accessories

End cover

## Mini feed-through terminal block - MSDB 2,5-M BU - 3244261

### Accessories

End cover - D-MZB 1,5 - 3024177



End cover, Length: 32 mm, Width: 4 mm, Color: gray

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



End cover, Length: 32 mm, Width: 4 mm, Color: blue

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End cover - D-MZB 1,5-F - 3024180



End cover, Width: 4 mm, Color: gray

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End cover - D-MZB 1,5-F BU - 3024449



End cover, Width: 4 mm, Color: blue

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### Insertion bridge

Insertion bridge - ESB 2-MZDB - 3029703



Insertion bridge, Number of positions: 2, Color: gray

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### Labeled terminal marker

## Mini feed-through terminal block - MSDB 2,5-M BU - 3244261

### 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: 5.15 x 5.15 mm

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: 5.15 x 5.15 mm

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: 5.15 x 5.15 mm

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: 5.15 x 5.15 mm

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: 5.15 x 5.15 mm

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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: 4.6 x 5.1 mm

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#### 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: 4.4 x 4.7 mm

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### 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

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### Terminal marking

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



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into flat marker groove, for terminal block width: 5 mm, Lettering field: 5.1 x 5.2 mm

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#### Marker for terminal blocks - UC-TMF 5 - 0818153



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: 5.2 mm, Lettering field: 4.6 x 5.1 mm

## Mini feed-through terminal block - MSDB 2,5-M BU - 3244261

### Accessories

Marker for terminal blocks - UCT-TMF 5 - 0828744



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: 5.2 mm, Lettering field: 4.4 x 4.7 mm

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### Drawings

Circuit diagram



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