

# Mini feed-through terminal block - MBK 2,5/E - 1414006

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Mini feed-through terminal block, Connection method: Screw connection, Cross section: 0.2 mm<sup>2</sup> - 2.5 mm<sup>2</sup>, AWG: 24 - 14, Width: 5.2 mm, Color: gray, Mounting type: NS 15

## Product Features

- Separating disks, partition plates, and test sockets complete the range of accessories
- 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

package_quantity	50
GTIN	4017918021269

## Technical data

### General

Number of levels	1
Number of connections	2
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V2

### General

Maximum load current	24 A (with 2.5 mm <sup>2</sup> conductor cross section)
Rated surge voltage	4 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Nominal current I <sub>N</sub>	24 A
Nominal voltage U <sub>N</sub>	250 V
Open side panel	ja

## Dimensions

# Mini feed-through terminal block - MBK 2,5/E - 1414006

## Technical data

### Dimensions

<b>Width</b>	5.2 mm
<b>Length</b>	24.5 mm
<b>Height NS 15</b>	26.5 mm

### Connection data

<b>Connection in acc. with standard</b>	IEC 60947-7-1
<b>Connection method</b>	Screw connection
<b>Conductor cross section solid min.</b>	0.2 mm <sup>2</sup>
<b>Conductor cross section solid max.</b>	2.5 mm <sup>2</sup>
<b>Conductor cross section AWG/kcmil min.</b>	24
<b>Conductor cross section AWG/kcmil max</b>	14
<b>Conductor cross section stranded min.</b>	0.2 mm <sup>2</sup>
<b>Conductor cross section stranded max.</b>	2.5 mm <sup>2</sup>
<b>Min. AWG conductor cross section, stranded</b>	24
<b>Max. AWG conductor cross section, stranded</b>	14
<b>Conductor cross section stranded, with ferrule without plastic sleeve min.</b>	0.25 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule without plastic sleeve max.</b>	2.5 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule with plastic sleeve min.</b>	0.25 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule with plastic sleeve max.</b>	2.5 mm <sup>2</sup>
<b>Cross section with insertion bridge, solid max.</b>	2.5 mm <sup>2</sup>
<b>Cross section with insertion bridge, stranded max.</b>	2.5 mm <sup>2</sup>
<b>2 conductors with same cross section, solid min.</b>	0.2 mm <sup>2</sup>
<b>2 conductors with same cross section, solid max.</b>	0.75 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded min.</b>	0.2 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded max.</b>	0.75 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.</b>	0.5 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.</b>	1.5 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.</b>	0.25 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.</b>	0.75 mm <sup>2</sup>
<b>Cross section with insertion bridge, solid max.</b>	2.5 mm <sup>2</sup>
<b>Cross section with insertion bridge, stranded max.</b>	2.5 mm <sup>2</sup>
<b>Stripping length</b>	7 mm
<b>Internal cylindrical gage</b>	A3
<b>Screw thread</b>	M3
<b>Tightening torque, min</b>	0.6 Nm
<b>Tightening torque max</b>	0.8 Nm

# Mini feed-through terminal block - MBK 2,5/E - 1414006

## 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

### 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

## approvals

IECEX / ATEX / CSA / UL Recognized / cUL Recognized / GOST / LR / BV / RS / PRS / GOST / cULus Recognized / BV /

### Approval details

IECEX	
Nominal voltage UN	176 V
Nominal current IN	22 A
mm <sup>2</sup> /AWG/kcmil	0.2-2.5

ATEX 	
Nominal voltage UN	176 V
Nominal current IN	22 A
mm <sup>2</sup> /AWG/kcmil	0.2-2.5

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## approvals

<b>CSA</b>	
Nominal voltage UN	300 V
Nominal current IN	20 A
mm <sup>2</sup> /AWG/kcmil	28-12

<b>UL Recognized</b>	
Nominal voltage UN	300 V
Nominal current IN	20 A
mm <sup>2</sup> /AWG/kcmil	30-12

<b>cUL Recognized</b>	
Nominal voltage UN	300 V
Nominal current IN	20 A
mm <sup>2</sup> /AWG/kcmil	30-12

<b>GOST</b>	
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<b>LR</b>
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<b>BV</b>
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<b>RS</b>
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<b>PRS</b>
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## Mini feed-through terminal block - MBK 2,5/E - 1414006

approvals

cULus Recognized  US

accessories

**End cover**

D-MBK 2,5/E - 1414035



**Test plug terminal block**

RPS - 0201647



**Partition plate**

ATP-MBK - 1413227



**Screwdriver tools**

SZS 0,6X3,5 - 1205053



## Mini feed-through terminal block - MBK 2,5/E - 1414006

accessories

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### Labeled terminal marker

BN-ZB 5,2/WH CUS - 0824271



UC-TMN 5,2 CUS - 0826857



### Terminal marking

BN-ZB 5,2/WH:UNBEDRUCKT - 1401815



UC-TMN 5,2 - 0822945



### Bridge

FBRNI 2-5 N - 3000175



## Mini feed-through terminal block - MBK 2,5/E - 1414006

### accessories

FBRNI 3-5 N - 3000162



FBRNI 4-5 N - 3000159



FBRNI 10-5 N - 2770639



FBRNI 20-5 N - 3000609



EB 2- 5 - 1401158



EB 3- 5 - 1401145



## Mini feed-through terminal block - MBK 2,5/E - 1414006

accessories

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EB 10- 5 - 1401132



### Mounting rail

NS 15 UNPERF 2000MM - 1401695



NS 15 PERF 2000MM - 1401682



NS 15 AL PERF 2000MM - 1401763



NS 15 WH PERF 2000MM - 1204096



### End block



## Mini feed-through terminal block - MBK 2,5/E - 1414006

accessories

E/MBK - 1401637



E/MK - 1421633



E/MK 1 - 1421659



**Test socket**

PSBJ 3/13/4 - 0201304



PSB 3/10/4 - 0601292



Drawings

## Mini feed-through terminal block - MBK 2,5/E - 1414006

Circuit diagram



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