

## Feed-through terminal block - MBKKB 2,5 - 1414064

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



Feed-through terminal block, Cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 24 - 12, Connection type: Screw connection, Width: 5.2 mm, Color: gray, Mounting type: NS 15

### Why buy this product

- ✓ Fixed bridges and test sockets can be used on both levels
- ✓ The mini double-level terminal block features a space-saving, low design height and offset levels

### Key commercial data

Packing unit	1
Minimum order quantity	50
Catalog page	Page 524 (CL1-2011)
GTIN	 4 017918 021313
Custom tariff number	85369010
Country of origin	GERMANY

### Technical data

#### General

Number of levels	2
Number of connections	4
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V2

#### Dimensions

Width	5.2 mm
Length	62 mm
Height NS 35/7.5	48 mm
Height NS 35/15	55.5 mm

#### Technical data

Rated surge voltage	6 kV
Pollution degree	3
Surge voltage category	III

# Feed-through terminal block - MBKKB 2,5 - 1414064

## Technical data

### Technical data

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>	500 V
Open side panel	ja

### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 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.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	1.5 mm <sup>2</sup>
2 conductors with same cross section, solid min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, solid max.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1 mm <sup>2</sup>
Cross section with insertion bridge, solid max.	2.5 mm <sup>2</sup>
Cross section with insertion bridge, stranded max.	2.5 mm <sup>2</sup>
Connection method	Screw connection
Stripping length	7 mm
Internal cylindrical gage	A3
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

## Classifications

### eclass

eCl@ss 4.0	27141118
------------	----------

# Feed-through terminal block - MBKKB 2,5 - 1414064

## Classifications

### eclass

eCl@ss 4.1	27141118
eCl@ss 5.0	27141118
eCl@ss 5.1	27141118
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120

### etim

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	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 / GOST / LR / GL / BV / DNV / RS / PRS / GOST / cULus Recognized

#### Ex Approvals

IECEX / ATEX

#### Approvals submitted

### Approval details

	
mm <sup>2</sup> /AWG/kcmil	28-12
Nominal current I <sub>N</sub>	20 A
Nominal voltage U <sub>N</sub>	300 V

# Feed-through terminal block - MBKKB 2,5 - 1414064

## Approvals

UL Recognized	
mm <sup>2</sup> /AWG/kcmil	30-12
Nominal current I <sub>N</sub>	20 A
Nominal voltage U <sub>N</sub>	300 V

cUL Recognized	
mm <sup>2</sup> /AWG/kcmil	30-12
Nominal current I <sub>N</sub>	20 A
Nominal voltage U <sub>N</sub>	300 V

GOST	
------	--

LR	
mm <sup>2</sup> /AWG/kcmil	2.5
Nominal current I <sub>N</sub>	24 A
Nominal voltage U <sub>N</sub>	500 V

GL	
----	--

BV	
----	--

DNV	
-----	--


RS	
----	--

PRS	
-----	--

GOST	
------	--

## Feed-through terminal block - MBKKB 2,5 - 1414064

### Approvals

cULus Recognized 

### Accessories

Accessories

Assembly

DIN rail - NS 35/ 7,5 UNPERF 2000MM - 0801681



DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m

DIN rail perforated - NS 35/ 7,5 PERF 2000MM - 0801733



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 7.5 mm, width 35 mm, length: 2000 mm

DIN rail - NS 35/ 7,5 CU UNPERF 2000MM - 0801762



DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m

DIN rail - NS 35/15 UNPERF 2000MM - 1201714



DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m

## Feed-through terminal block - MBKKB 2,5 - 1414064

### Accessories

DIN rail - NS 15 AL PERF 2000MM - 1401763



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

---

DIN rail - 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 - NS 35/15 CU UNPERF 2000MM - 1201895



DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m

---

DIN rail - NS 35/15-2,3 UNPERF 2000MM - 1201798



DIN rail, material: Steel, unperforated, 2.3 mm thick, height 15 mm, width 35 mm, length: 2 m

---

DIN rail, unperforated - NS 35/15 AL UNPERF 2000MM - 1201756



DIN rail, deep drawn, high profile, unperforated, 1.5 mm thick, material: aluminum, height 15 mm, width 35 mm, length 2000 mm

## Feed-through terminal block - MBKKB 2,5 - 1414064

### Accessories

---

DIN rail perforated - NS 35/15 PERF 2000MM - 1201730



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 15 mm, width 35 mm, length: 2000 mm

---

End clamp - CLIPFIX 35 - 3022218



Snap-on end bracket, for 35 mm NS 35/7.5 or NS 35/15 DIN rail, can be fitted with Zack strip ZB 8 and ZB 8/27, terminal strip marker KLM 2 and KLM, width: 9.5 mm, color: gray

---

End clamp - E/MBK - 1401637



End clamp, width: 6.2 mm, color: gray

---

End clamp - E/UK 1 - 1201413



End clamps, for supporting the ends of double-level and three-level terminal blocks, width: 10 mm, color: gray

---

Spacer plate - DP-MBKKB 2,5 - 1413065



Spacer plate, Length: 62 mm, Width: 2.5 mm, Color: gray

---

## Feed-through terminal block - MBKKB 2,5 - 1414064

### Accessories

End cover - D-MBKKB 2,5 - 1413052



End cover, Length: 62 mm, Width: 2.5 mm, Color: gray

---

Fixed bridge - FB-150 METER - 0201595



Cross connection rail, for fixed bridging of identical inputs and outputs, made of Cu, nickel-plated, 1 m long

---

Separating plate - TS-KK 3 SO - 2778534



Separating plate, Color: gray

---

### Bridges

Fixed bridge - FBRNI 2-5 N - 3000175



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

---

Fixed bridge - FBRNI 3-5 N - 3000162



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

---



## Feed-through terminal block - MBKKB 2,5 - 1414064

### Accessories

Fixed bridge - FBRNI 4-5 N - 3000159



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

---

Fixed bridge - FBRNI 10-5 N - 2770639



Fixed bridge, Number of positions: 10, Color: silver

---

Fixed bridge - FBRNI 20-5 N - 3000609



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

---

Insertion bridge - EB 2- 5 - 1401158



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

---

Insertion bridge - EB 3- 5 - 1401145



Insertion bridge, Number of positions: 3, Color: gray

---

Insertion bridge - EB 10- 5 - 1401132



Insertion bridge, Number of positions: 10, Color: gray

## Feed-through terminal block - MBKKB 2,5 - 1414064

### Accessories

---

Switching jumper - SBRN 2-7 - 1413230



Switching jumper, Color: silver

---

### Marking

Marker cards - SBS 5:UNBEDRUCKT - 1007219



Marker cards, Card, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into tall marker groove, Snap into flat marker groove, For terminal block width: 5.2 mm, Lettering field: 6 x 5.1 mm

---

Zack marker strip - ZB 5 CUS - 0824962



Zack marker strip, Strip, white, Labeled according to customer specifications, Mounting type: Snap into tall marker groove, For terminal block width: 5.2 mm, Lettering field: 5.15 x 10.5 mm

---

### Plug/Adapter

Female test connector - PSBJ 3/13/4 - 0201304



Female test connector, Color: silver

---

Female test connector - PSB 3/10/4 - 0601292



Female test connector, Color: silver

---

## Feed-through terminal block - MBKKB 2,5 - 1414064

### Accessories

Reducing plug - RPS - 0201647



Reducing plug, Color: gray

---

### Tools

Screwdriver - SZS 0,6X3,5 - 1205053



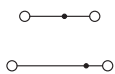
Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

---

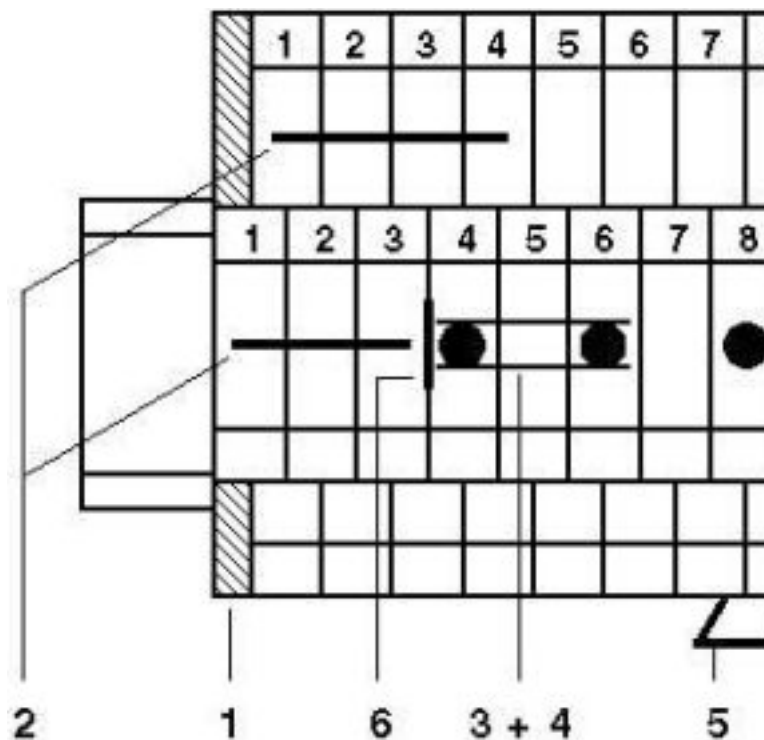
### Drawings

# Feed-through terminal block - MBKKB 2,5 - 1414064

Circuit diagram



Circuit diagram



- 1 = cover
- 2 = spacer plate
- 3 = fixed bridge
- 4 = insertion bridge
- 5 = separating plate
- 6 = test plug sockets, for test connection with test plug MPS or adapter plug RPS
- 7 = test plug sockets, insulated, can only be used for FBRNI