

## Feed-through terminal block - MBK 5/E-FS BU - 1418112

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, Connection type: Special and hybrid connection, Cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG :24- 12, Width: 6.2 mm, Color: blue, Mounting: NS 15

### Product Features

- ✓ This terminal block has a proven screw connection on the outside of the control cabinet
- ✓ 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	1 1
GTIN	 4 017918 021542
Weight per Piece (excluding packing)	5.5 GRM
Custom tariff number	85369010
Country of origin	Poland

### Technical data

#### General

Number of levels	1
Number of connections	2
Color	blue
Insulating material	PA-F
Inflammability class according to UL 94	HB
Maximum load current	16 A (with 4 mm <sup>2</sup> conductor cross section)
Rated surge voltage	6 kV
Pollution degree	3

# Feed-through terminal block - MBK 5/E-FS BU - 1418112

## Technical data

### General

Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Nominal current $I_N$	16 A
Nominal voltage $U_N$	500 V
Open side panel	ja

### Dimensions

Width	6.2 mm
Length	28 mm
End cover width	1 mm

### Connection data

Connection method	Special and hybrid connection
Stripping length	8 mm
Internal cylindrical gage	A3
Tightening torque, min	0.6 Nm
Tightening torque max	0.8 Nm
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.	4 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>
Value	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	4 mm <sup>2</sup>
Value	4 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Value	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	2.5 mm <sup>2</sup>
Value	2.5 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>
Value	0.25 mm <sup>2</sup>

# Feed-through terminal block - MBK 5/E-FS BU - 1418112

## Technical data

### Connection data

2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1 mm <sup>2</sup>
Value	1 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>
Value	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm <sup>2</sup>
Value	1.5 mm <sup>2</sup>
Cross section with insertion bridge, solid max.	2.5 mm <sup>2</sup>
Cross section with insertion bridge, stranded max.	1.5 mm <sup>2</sup>

## 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

### Approvals

# Feed-through terminal block - MBK 5/E-FS BU - 1418112

## Approvals

Approvals

UL Recognized / cUL Recognized / GOST / GOST / cULus Recognized

Ex Approvals

Approvals submitted

## Approval details

UL Recognized	
Nominal current I <sub>N</sub>	5 A
Nominal voltage U <sub>N</sub>	300 V

cUL Recognized	
mm <sup>2</sup> /AWG/kcmil	26-10
Nominal current I <sub>N</sub>	5 A
Nominal voltage U <sub>N</sub>	300 V

GOST	
------	--

GOST	
------	--

cULus Recognized	
------------------	--

## Feed-through terminal block - MBK 5/E-FS BU - 1418112

### Accessories

#### Accessories

#### Bridge

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

---

Fixed bridge - FBI 100- 6 - 0201650



Fixed bridge, Number of positions: 100, Color: silver

---

Fixed bridge - FBI 10- 6 - 0203250



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

---

Fixed bridge - FBI 20- 6 - 0201867



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

---

Insertion bridge - EB 3- 6 - 0201142



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

## Feed-through terminal block - MBK 5/E-FS BU - 1418112

### Accessories

---

Insertion bridge - EB 2- 6 - 0201155



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

Insertion bridge - EB 10- 6 - 0201139



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

Switching jumper - SBRN 2-7 - 1413230



Switching jumper, Color: silver

End block

End clamp - E/MBK - 1401637



End clamp, width: 6.2 mm, color: gray

End clamp - E/MK - 1421633



End clamp, width: 6.2 mm, color: gray

## Feed-through terminal block - MBK 5/E-FS BU - 1418112

### Accessories

End clamp - E/MK 1 - 1421659



End clamp width: 6 mm, color: gray

---

### End cover

End cover - D-MBK/E BU - 1415102



End cover, Length: 28 mm, Width: 1 mm, Color: blue

---

End cover - D-MBK/E - 1415021



End cover, Length: 28 mm, Width: 1 mm, Height: 26.2 mm, Color: gray

---

### Insulating sleeve

Insulating sleeve - PT/FS 2,8 - 1406700



Insulating sleeve, as touch protection, slide onto the conductor before for 2.8 slip-on sleeves

---

Bridge bar isolator - IS-K 4 - 1302338



Bridge bar isolator, Color: gray

## Feed-through terminal block - MBK 5/E-FS BU - 1418112

### Accessories

---

Bridge bar isolator - ISSBI 10- 6 - 0301505



Bridge bar isolator, Number of positions: 10, Color: silver

---

### Labeled terminal marker

Marker pin Zack strip - BN-ZB 6,2/WH CUS - 0824276



Marker pin Zack strip, Can be ordered: Strip, white, Labeled according to customer specifications, Mounting type: Plug in, For terminal block width: 6.2 mm, Lettering field: 4 x 4 mm

---

### Mounting rail

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

---



## Feed-through terminal block - MBK 5/E-FS BU - 1418112

### 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 WH PERF 2000MM - 1204096



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

---

### Partition plate

Partition plate - ATP-MBK - 1413227



Partition plate, Length: 42.5 mm, Width: 2.5 mm, Height: 41 mm, Color: gray

---

### Screwdriver 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

---

### Test plug terminal block

## Feed-through terminal block - MBK 5/E-FS BU - 1418112

### Accessories

Reducing plug - RPS - 0201647



Reducing plug, Color: gray

---

### Test socket

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



Female test connector, Color: silver

---

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



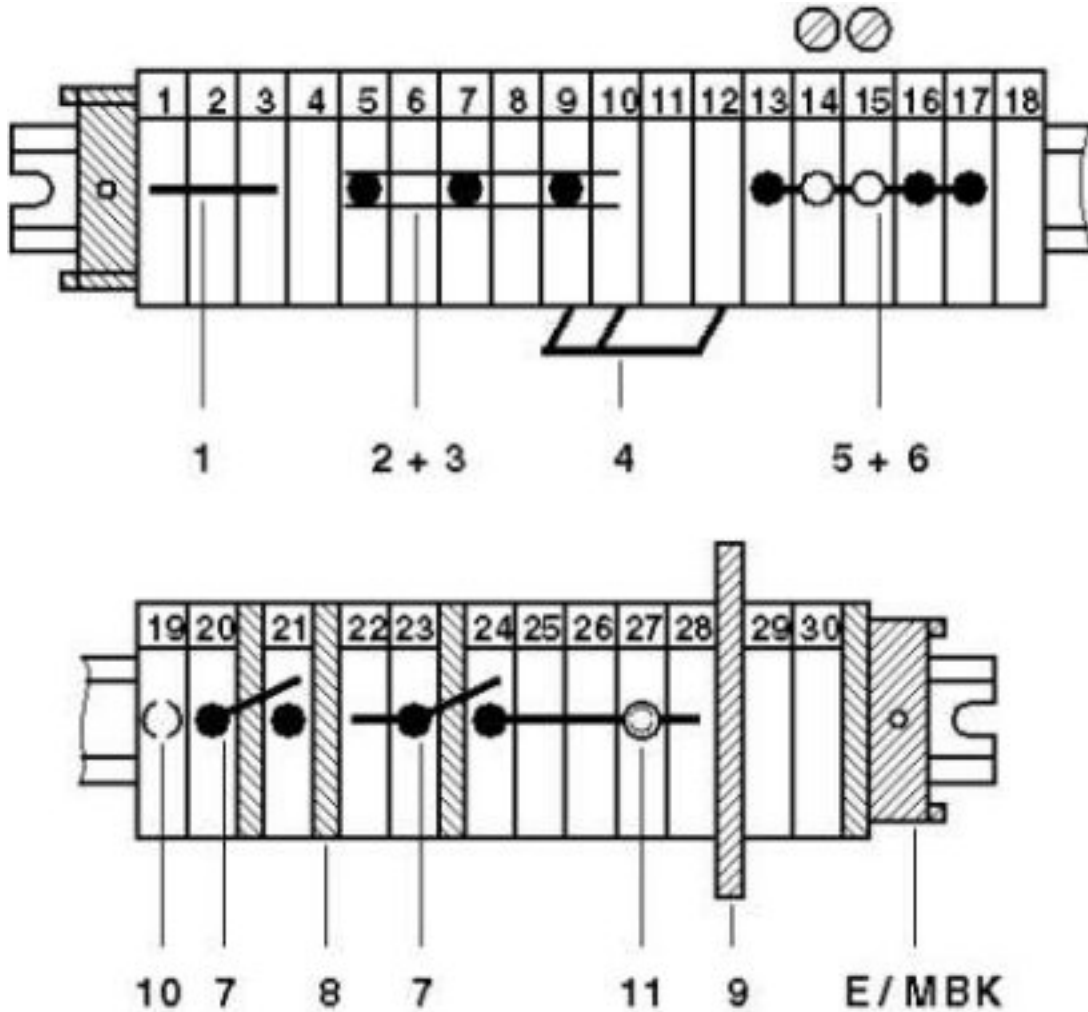
Female test connector, Color: silver

---

### Drawings

# Feed-through terminal block - MBK 5/E-FS BU - 1418112

Circuit diagram



- 1 = cover
- 2 = fixed bridge
- 3 = insertion bridge
- 4 = isolator bridge bar
- 5 = bridge bar isolator
- 6 = switch bar for 2 terminal blocks
- 7 = separating plate
- 8 = partition plate
- 9 = test plug socket, for test connection with test plug MPS or adapter plug RPS
- 10 = test plug socket, insulated, can only be used with FBI, ISSBI