

Feed-through terminal block - MBK 3 BU - 1413094

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 method: Screw connection, Cross section: 0.2 mm² - 4 mm², AWG: 24 - 12, Width: 5.2 mm, Color: blue, Mounting type: NS 15

Product Features

- ✓ 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 021177
Weight per Piece (excluding packing)	6.74 GRM
Custom tariff number	85369010
Country of origin	Germany

Technical data

General

Number of levels	1
Number of connections	2
Color	blue
Insulating material	PA
Inflammability class according to UL 94	V2
Maximum load current	32 A (with 4 mm ² conductor cross section)
Rated surge voltage	6 kV
Pollution degree	3
Surge voltage category	III

Feed-through terminal block - MBK 3 BU - 1413094

Technical data

General

Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Nominal current I_N	24 A
Nominal voltage U_N	500 V
Open side panel	ja

Dimensions

Width	5.2 mm
Length	28 mm
Height NS 15	32 mm

Connection data

Note	Terminal point
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max.	12
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Min. AWG conductor cross section, stranded	24
Max. AWG conductor cross section, stranded	14
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	2.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	1.5 mm ²
2 conductors with same cross section, solid min.	0.2 mm ²
2 conductors with same cross section, solid max.	1.5 mm ²
2 conductors with same cross section, stranded min.	0.2 mm ²
2 conductors with same cross section, stranded max.	1.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1.5 mm ²
Cross section with insertion bridge, solid max.	2.5 mm ²
Cross section with insertion bridge, stranded max.	2.5 mm ²
Connection method	Screw connection

Feed-through terminal block - MBK 3 BU - 1413094

Technical data

Connection data

Stripping length	8 mm
Internal cylindrical gage	A3
Screw thread	M3
Tightening torque, min	0.6 Nm
Tightening torque max	0.8 Nm

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

Approvals

CSA / UL Recognized / cUL Recognized / GOST / GL / GOST / cULus Recognized

Feed-through terminal block - MBK 3 BU - 1413094

Approvals

Ex Approvals

Approvals submitted

Approval details

CSA	
mm ² /AWG/kcmil	28-12
Nominal current I _N	25 A
Nominal voltage U _N	150 V

UL Recognized			
	B	C	D
mm ² /AWG/kcmil	28-12	28-12	28-12
Nominal current I _N	20 A	20 A	10 A
Nominal voltage U _N	300 V	150 V	300 V

cUL Recognized			
	B	C	D
mm ² /AWG/kcmil	28-12	28-12	28-12
Nominal current I _N	20 A	20 A	10 A
Nominal voltage U _N	300 V	150 V	300 V


GOST	
------	--

GL

Feed-through terminal block - MBK 3 BU - 1413094

Approvals

GOST 

cULus Recognized 

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 - FBRI 10-5 N - 2770642



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

Insertion bridge - EBL 10- 5 - 2303132



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

Feed-through terminal block - MBK 3 BU - 1413094

Accessories

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

End clamp - E/MK 1 - 1421659



End clamp width: 6 mm, color: gray

End cover

End cover - D-MBK 3/5 BU - 1413104



End cover, Length: 28 mm, Width: 2.5 mm, Color: blue

Feed-through terminal block - MBK 3 BU - 1413094

Accessories

End cover - D-MBK 3/5 - 1413023



End cover, Length: 28 mm, Width: 2.5 mm, Color: gray

Labeled terminal marker

Marker pin Zack strip - BN-ZB 5,2/WH CUS - 0824271



Marker pin Zack strip, Can be ordered: Strip, white, Labeled according to customer specifications, Mounting type: Plug in, For terminal block width: 5.2 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 3 BU - 1413094

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

Separating plate - TS-KK 3 - 2770215



Separating plate, Length: 14 mm, Width: 1.5 mm, Height: 16 mm, Color: gray

Partition plate - ATP-MBK - 1413227



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

Test plug terminal block

Reducing plug - RPS - 0201647



Reducing plug, Color: gray

Feed-through terminal block - MBK 3 BU - 1413094

Accessories

Test socket

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



Female test connector, Color: silver

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

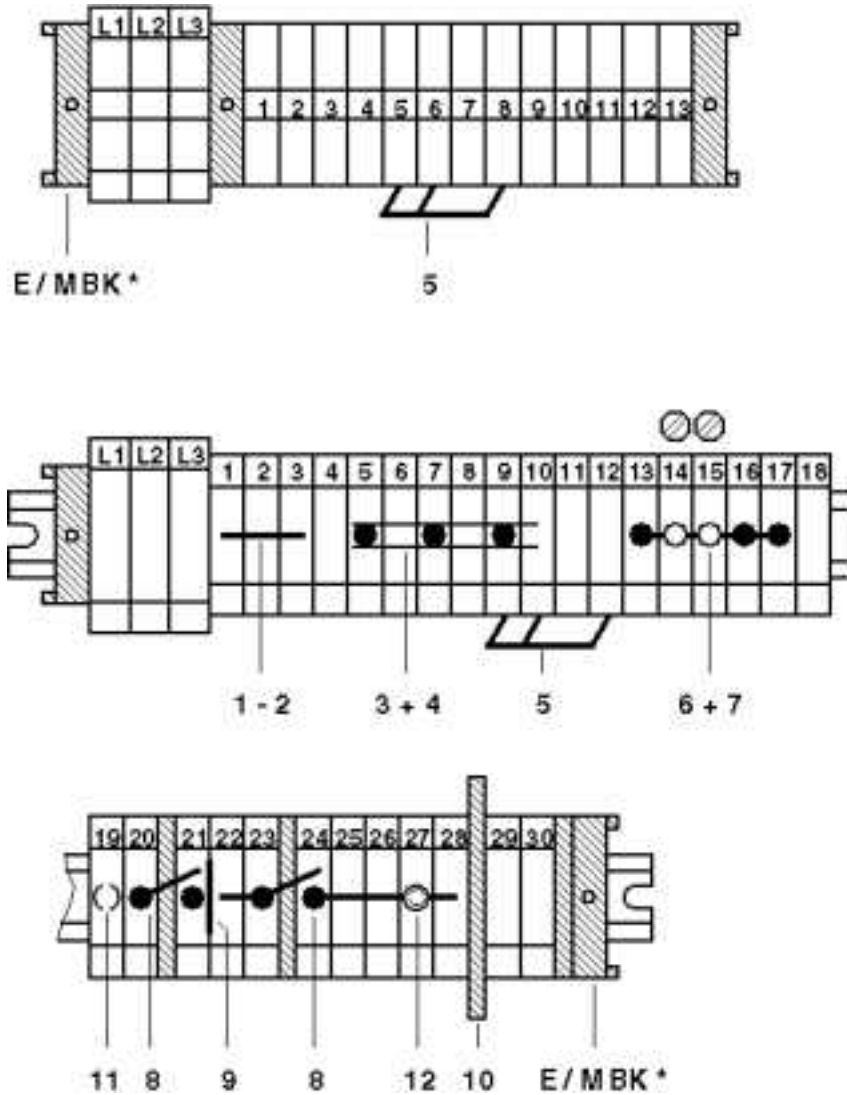


Female test connector, Color: silver

Drawings

Feed-through terminal block - MBK 3 BU - 1413094

Circuit diagram



- 1 = cover
- 2 = fixed bridge, for cross-connections in the terminal center, screw heads with insulating collar
- 3 = fixed bridge, for cross-connections in the terminal center, with crimped-on rollers
- 4 = insertion bridge
- 5 = isolator bridge bar
- 6 = bridge bar isolator
- 7 = switch bar for 2 terminal blocks
- 8 = separating plate
- 9 = partition plate
- 10 = test plug socket