

## Feed-through terminal block - MBK 2,5/E BU - 1414019

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 mm<sup>2</sup> - 2.5 mm<sup>2</sup>, AWG 24 - 14, Width: 5.2 mm, Color: blue, Mounting type: NS 15

### Why buy this product

- ✔ Separating disks, partition plates, and test sockets complete the range of accessories
- ✔ Comprehensive bridging material, such as fixed bridges, insertion bridges, and switchable bridges, enable easy and reliable potential branching
- ✔ The MBK... terminal block series represents the top end of the mini terminal block range for 15 mm NS 15 DIN rails
- ✔ All MBK ... terminal blocks have a bridging option in the terminal center

### Key commercial data

Packing unit	1
Minimum order quantity	50
Catalog page	Page 516 (CL1-2011)
GTIN	 4 017918 021276
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

#### Dimensions

Width	5.2 mm
Length	24.5 mm

#### Technical data

Maximum load current	24 A (with 2.5 mm <sup>2</sup> conductor cross section)
Rated surge voltage	4 kV
Pollution degree	3

# Feed-through terminal block - MBK 2,5/E BU - 1414019

## Technical data

### Technical data

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

### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	2.5 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	14
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.	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.	0.75 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.	0.75 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.	1.5 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.	0.75 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	0.6 Nm
Tightening torque max	0.8 Nm

# Feed-through terminal block - MBK 2,5/E BU - 1414019

## Classifications

### eclass

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

### 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 / BV / RS / PRS / GOST / cULus Recognized

---

#### Ex Approvals

IECEX / ATEX

---

#### Approvals submitted

---

### Approval details

CSA	
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 - MBK 2,5/E BU - 1414019

## 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

BV

RS

PRS

GOST

cULus Recognized

## Accessories

Accessories

Assembly

## Feed-through terminal block - MBK 2,5/E BU - 1414019

### 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

---

End clamp - E/MBK - 1401637



End clamp, width: 6.2 mm, color: gray

---

End cover - D-MBK 2,5/E BU - 1414022



End cover, Length: 24.5 mm, Width: 1 mm, Color: blue

---

Partition plate - ATP-MBK - 1413227



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

## Feed-through terminal block - MBK 2,5/E BU - 1414019

### Accessories

---

#### Bridges

Fixed bridge - FBRNI 20-5 N - 3000609



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

---

Fixed bridge - FBRNI 10-5 N - 2770639



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

---

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

---

Insertion bridge - EB 2- 5 - 1401158



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

---

#### Plug/Adapter

## Feed-through terminal block - MBK 2,5/E BU - 1414019

### Accessories

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



Female test connector, Color: silver

---

### 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

---

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

Marker pin, Strip, white, Labeled according to customer specifications, Mounting type: Plug in, For terminal block width: 5.2 mm, Lettering field: 4 x 4 mm

---