

1407097  
<https://www.phoenixcontact.com/il/products/1407097>

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Mini feed-through terminal block, nom. voltage: 400 V, nominal current: 16 A, number of connections: 2, connection method: Special and hybrid connection, 1st level connection left, cross section: 0.2 mm<sup>2</sup> - 2.5 mm<sup>2</sup>, mounting type: NS 15, color: blue

Commercial data

|                                      |                    |
|--------------------------------------|--------------------|
| Item number                          | 1407097            |
| Packing unit                         | 200 pc             |
| Minimum order quantity               | 1 pc               |
| Product key                          | BE511X             |
| Catalog page                         | Page 313 (CL-2005) |
| GTIN                                 | 4017918021061      |
| Weight per piece (including packing) | 3.97 g             |
| Weight per piece (excluding packing) | 3.179 g            |
| Customs tariff number                | 85369010           |
| Country of origin                    | DE                 |

# MBK-FS BU - Mini feed-through terminal block



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## Technical data

### Product properties

|                       |                          |
|-----------------------|--------------------------|
| Product type          | Miniature terminal block |
| Number of connections | 2                        |
| Number of rows        | 1                        |
| Potentials            | 1                        |

### Insulation characteristics

|                      |     |
|----------------------|-----|
| Overvoltage category | III |
| Degree of pollution  | 3   |

### Electrical properties

|                     |      |
|---------------------|------|
| Rated surge voltage | 6 kV |
|---------------------|------|

### Connection data

|                                 |   |
|---------------------------------|---|
| Number of connections per level | 2 |
|---------------------------------|---|

#### 1st level connection left

|                                                                                           |                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Screw thread                                                                              | M2,6                                                                                                                                                                    |
| Tightening torque                                                                         | 0.5 ... 0.6 Nm                                                                                                                                                          |
| Stripping length                                                                          | 8 mm                                                                                                                                                                    |
| Internal cylindrical gage                                                                 | A1                                                                                                                                                                      |
| Connection in acc. with standard                                                          | IEC 60947-7-1                                                                                                                                                           |
| Conductor cross section rigid                                                             | 0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>                                                                                                                             |
| Cross section AWG                                                                         | 24 ... 14 (converted acc. to IEC)                                                                                                                                       |
| Conductor cross section flexible                                                          | 0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>                                                                                                                             |
| Conductor cross section, flexible [AWG]                                                   | 24 ... 16 (converted acc. to IEC)                                                                                                                                       |
| Conductor cross-section flexible (ferrule without plastic sleeve)                         | 0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>                                                                                                                            |
| Flexible conductor cross section (ferrule with plastic sleeve)                            | 0.25 mm <sup>2</sup> ... 1 mm <sup>2</sup>                                                                                                                              |
| Cross-section with insertion bridge, rigid                                                | 1.5 mm <sup>2</sup>                                                                                                                                                     |
| Cross-section with insertion bridge, flexible                                             | 1.5 mm <sup>2</sup>                                                                                                                                                     |
| 2 conductors with same cross section, solid                                               | 0.2 mm <sup>2</sup> ... 0.75 mm <sup>2</sup>                                                                                                                            |
| 2 conductors with same cross section, flexible                                            | 0.2 mm <sup>2</sup> ... 1 mm <sup>2</sup>                                                                                                                               |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve       | 0.25 mm <sup>2</sup> ... 0.5 mm <sup>2</sup>                                                                                                                            |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm <sup>2</sup> ... 0.75 mm <sup>2</sup>                                                                                                                            |
| Nominal current                                                                           | 16 A (current data for slip-on connections in acc. with DIN 61210 are also dependent on nominal size, material, insulation of the sleeve and conductor cross section.)  |
| Maximum load current                                                                      | 16 A (with a 2.5 mm <sup>2</sup> conductor cross section)                                                                                                               |
| Nominal voltage                                                                           | 400 V (voltage data for slip-on connections in acc. with DIN 61210 are also dependent on nominal size, material, insulation of the sleeve and conductor cross section.) |

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## Dimensions

|       |        |
|-------|--------|
| Width | 4.5 mm |
|-------|--------|

## Material specifications

|                                        |      |
|----------------------------------------|------|
| Color                                  | blue |
| Flammability rating according to UL 94 | V2   |
| Insulating material group              | I    |
| Insulating material                    | PA   |

## Mechanical properties

### Mechanical data

|                 |    |
|-----------------|----|
| Open side panel | No |
|-----------------|----|

## Standards and regulations

|                                  |               |
|----------------------------------|---------------|
| Connection in acc. with standard | IEC 60947-7-1 |
|----------------------------------|---------------|

## Mounting

|               |       |
|---------------|-------|
| Mounting type | NS 15 |
|---------------|-------|

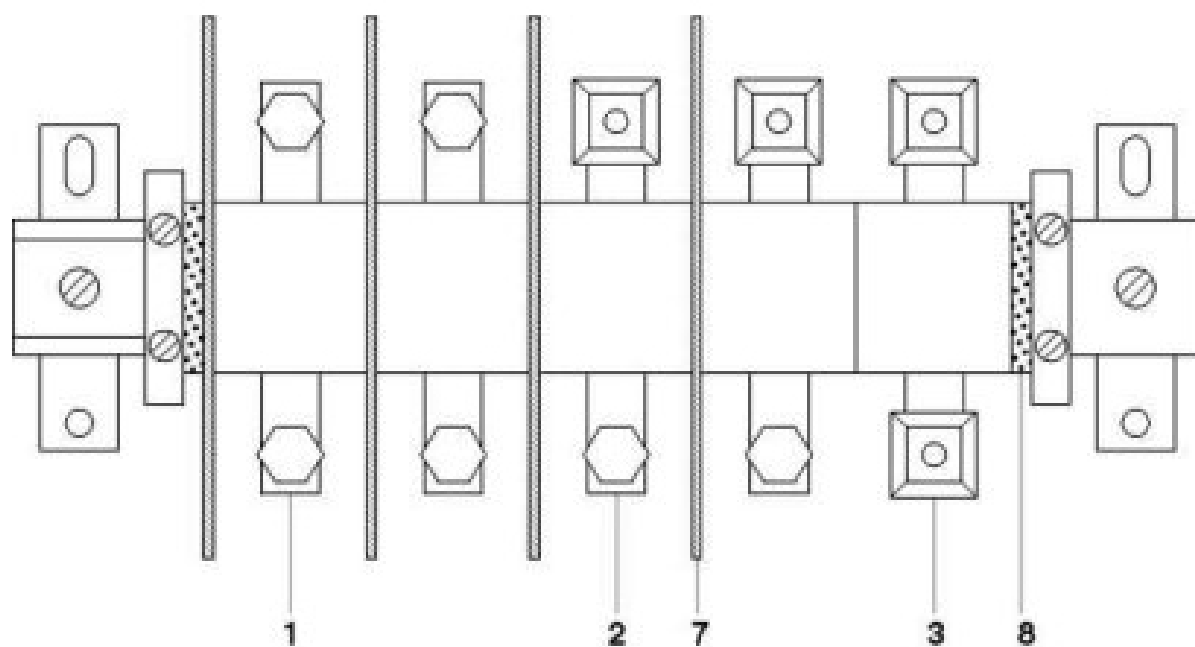
# MBK-FS BU - Mini feed-through terminal block

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## Drawings

Circuit diagram



# MBK-FS BU - Mini feed-through terminal block



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## Environmental product compliance

|            |                                                         |
|------------|---------------------------------------------------------|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

# MBK-FS BU - Mini feed-through terminal block



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## Accessories

**i** Note: Applying some accessories below might limit this product.

### EB 3- 5 - Insertion bridge

1401145

<https://www.phoenixcontact.com/il/products/1401145>

Insertion bridge, pitch: 5 mm, number of positions: 3, color: gray



**i** Max. current carrying capacity: 16 A

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### EB 10- 5 - Insertion bridge

1401132

<https://www.phoenixcontact.com/il/products/1401132>

Insertion bridge, pitch: 5.2 mm, number of positions: 10, color: gray



**i** Max. current carrying capacity: 16 A

# MBK-FS BU - Mini feed-through terminal block



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## EB 2- 5 - Insertion bridge

1401158

<https://www.phoenixcontact.com/il/products/1401158>

Insertion bridge, pitch: 5 mm, number of positions: 2, color: gray



 Max. current carrying capacity: 16 A

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## ATP-MBK - Partition plate

1413227

<https://www.phoenixcontact.com/il/products/1413227>

Partition plate, depth: 30.5 mm, width: 2.5 mm, height: 42.5 mm, color: gray



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## ATS-MBK - Separating plate

1402225

<https://www.phoenixcontact.com/il/products/1402225>

Separating plate, width: 0.5 mm, height: 26.6 mm, color: gray



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## TP-BK/MBK - Separating plate

0801791

<https://www.phoenixcontact.com/il/products/0801791>

Separating plate, width: 2 mm, height: 42 mm, color: gray



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## BN WH - Marker for terminal blocks

1401404

<https://www.phoenixcontact.com/il/products/1401404>



Marker for terminal blocks, Stud, white, unlabeled, can be labeled with: Marker pen, mounting type: plug in, for terminal block width: 4.2 mm, lettering field size: 4 x 4 mm

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## SZS 0,6X3,5 - Screwdriver

1205053

<https://www.phoenixcontact.com/il/products/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

# MBK-FS BU - Mini feed-through terminal block



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

0824271

<https://www.phoenixcontact.com/il/products/0824271>



Marker pin Zack strip, Strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: plug in, for terminal block width: 5.2 mm, lettering field size: 4 x 4 mm, Number of individual labels: 10

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## NS 15 UNPERF 2000MM VPE 10 - DIN rail, unperforated

1401695

<https://www.phoenixcontact.com/il/products/1401695>



DIN rail, unperforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver

# MBK-FS BU - Mini feed-through terminal block



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<https://www.phoenixcontact.com/il/products/1407097>

## NS 15 PERF 2000MM VPE 10 - DIN rail perforated

1401682

<https://www.phoenixcontact.com/il/products/1401682>



DIN rail perforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver

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## NS 15 AL PERF 2000MM VPE 10 - DIN rail perforated

1401763

<https://www.phoenixcontact.com/il/products/1401763>



DIN rail perforated, Pack of 10 (20 m), acc. to EN 60715, material: Aluminum, uncoated, Standard profile, color: silver

# MBK-FS BU - Mini feed-through terminal block

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## NS 15 WH PERF 2000MM-VPE 10 - DIN rail perforated

1204096

<https://www.phoenixcontact.com/il/products/1204096>



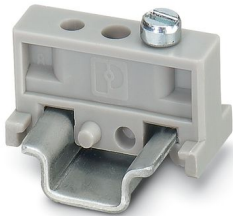
DIN rail perforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver

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## E/MBK - End bracket

1401637

<https://www.phoenixcontact.com/il/products/1401637>



End clamp, width: 6.2 mm, color: gray

# MBK-FS BU - Mini feed-through terminal block



1407097

<https://www.phoenixcontact.com/il/products/1407097>

## E/MK - End bracket

1421633

<https://www.phoenixcontact.com/il/products/1421633>

End clamp, width: 6.2 mm, color: gray



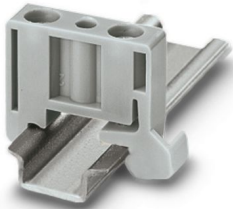
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## E/MK 1 - End bracket

1421659

<https://www.phoenixcontact.com/il/products/1421659>

End clamp width: 6 mm, color: gray



# MBK-FS BU - Mini feed-through terminal block

1407097

<https://www.phoenixcontact.com/il/products/1407097>



## C-SCF 1/2,8X0,5 - Connector

3240152

<https://www.phoenixcontact.com/il/products/3240152>



Slip-on sleeve, non-insulated, 0.5 ... 1 mm<sup>2</sup>, 2.8 x 0.5

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## C-SCFI 1,5/2,8X0,5 - Connector

3240048

<https://www.phoenixcontact.com/il/products/3240048>



Slip-on sleeve, red, 0.5 ... 1.5 mm<sup>2</sup>, 2.8 x 0.5

# MBK-FS BU - Mini feed-through terminal block



1407097

<https://www.phoenixcontact.com/il/products/1407097>

## C-SCF 1/2,8X0,8 - Connector

3240153

<https://www.phoenixcontact.com/il/products/3240153>



Slip-on sleeve, non-insulated, 0.5 ... 1 mm<sup>2</sup>, 2.8 x 0.8

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## C-SCFI 1,5/2,8X0,8 - Connector

3240049

<https://www.phoenixcontact.com/il/products/3240049>



Slip-on sleeve, red, 0.5 ... 1.5 mm<sup>2</sup>, 2.8 x 0.8

# MBK-FS BU - Mini feed-through terminal block



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## C-SCF 1,5/6,3X0,8 - Connector

3240156

<https://www.phoenixcontact.com/il/products/3240156>



Slip-on sleeve, non-insulated, 0.5 ... 1.5 mm<sup>2</sup>, 6.3 x 0.8

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## C-SCFI 1,5/6,3X0,8 - Connector

3240052

<https://www.phoenixcontact.com/il/products/3240052>



Slip-on sleeve, red, 0.5 ... 1.5 mm<sup>2</sup>, 6.3 x 0.8

# MBK-FS BU - Mini feed-through terminal block



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## C-SCF 2,5/6,3X0,8 - Connector

3240159

<https://www.phoenixcontact.com/il/products/3240159>



Slip-on sleeve, non-insulated, 1.5 ... 2.5 mm<sup>2</sup>, 6.3 x 0.8

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## C-SCFI 2,5/6,3X0,8 - Connector

3240055

<https://www.phoenixcontact.com/il/products/3240055>



Slip-on sleeve, blue, 1.5 ... 2.5 mm<sup>2</sup>, 6.3 x 0.8

# MBK-FS BU - Mini feed-through terminal block

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<https://www.phoenixcontact.com/il/products/1407097>



## C-SCF 6/6,3X0,8 - Connector

3240160

<https://www.phoenixcontact.com/il/products/3240160>



Slip-on sleeve, non-insulated, 4 ... 6 mm<sup>2</sup>, 6.3 x 0.8

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## C-SCFI 6/6,3X0,8 - Connector

3240056

<https://www.phoenixcontact.com/il/products/3240056>



Slip-on sleeve, yellow, 4 ... 6 mm<sup>2</sup>, 6.3 x 0.8

# MBK-FS BU - Mini feed-through terminal block



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## PT/FS 2,8 - Insulating sleeve

1406700

<https://www.phoenixcontact.com/il/products/1406700>

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



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## PT/FS 6,3 - Insulating sleeve

0604707

<https://www.phoenixcontact.com/il/products/0604707>

Insulating sleeve, as touch protection, slide onto the conductor before for 6.3 slip-on sleeves



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