

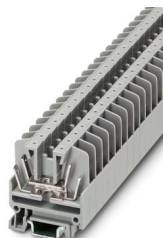
# MBK 5/E-FS/FS - Mini feed-through terminal block



1417074

<https://www.phoenixcontact.com/sg/products/1417074>

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Mini feed-through terminal block, nom. voltage: 500 V, nominal current: 16 A, 1st level connection right, connection method: Spade connection, cross section: 0.5 mm<sup>2</sup> - 1 mm<sup>2</sup>, mounting: NS 15, color: gray

## Your advantages

- This terminal block has a proven screw connection on the outside of the control cabinet
- Clear arrangement thanks to marking of all terminal points
- Space saving thanks to compact design and mounting option on a 15 mm DIN rail
- Easy potential distribution thanks to standardized plug-in bridges

## Commercial data

Item number	1417074
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	0110*
Product key	BE511X
Catalog page	Page 521 (CL1-2011)
GTIN	4017918021511
Weight per piece (including packing)	4.095 g
Weight per piece (excluding packing)	3.964 g
Customs tariff number	85369010
Country of origin	PL

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## Technical data

### Product properties

Product type	Miniature terminal block
Number of connections	8
Number of rows	1
Potentials	1

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	1.02 W

### Connection data

Number of connections per level	2
Nominal cross section	4 mm <sup>2</sup>
Rated cross section AWG	10

### 1st level connection right

Spade connection	6.3/2.8 x 0.8 mm
Conductor cross section rigid	0.5 mm <sup>2</sup> ... 1 mm <sup>2</sup>
Cross section AWG	20 ... 14 (converted acc. to IEC)
Conductor cross section flexible	0.5 mm <sup>2</sup> ... 1 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	20 ... 18 (converted acc. to IEC)
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm <sup>2</sup> ... 1 mm <sup>2</sup>
Nominal current	16 A
Maximum load current	16 A
Nominal voltage	500 V (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.)

### Dimensions

Width	6.2 mm
End cover width	1 mm

### Material specifications

Color	gray (RAL 7042)
Flammability rating according to UL 94	HB
Insulating material group	I
Insulating material	PA-F

### Mechanical properties

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## Mechanical data

Open side panel	Yes
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## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-60 °C ... 105 °C (max. short-term operating temperature RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (storage/transport)	30 % ... 70 %

## Mounting

Mounting type	NS 15
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## Drawings

### Circuit diagram




# MBK 5/E-FS/FS - Mini feed-through terminal block



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## Approvals

 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/sg/products/1417074>



**EAC**

Approval ID: RU C-DE.BL08.B.00541



**cULus Recognized**

Approval ID: E60425



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## Classifications

### ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250101

### ETIM

ETIM 9.0	EC000897
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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