

1406014

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Mini feed-through terminal block, nom. voltage: 400 V, nominal current: 16 A, 1 level, connection method: Spade connection, cross section: 0.5 mm<sup>2</sup> - 1 mm<sup>2</sup>, mounting: NS 15, color: gray

Your advantages

- 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	1406014
Packing unit	200 pc
Minimum order quantity	1 pc
Sales key	0110*
Product key	BE511X
Catalog page	Page 313 (CL-2005)
GTIN	4017918021023
Weight per piece (including packing)	2.3 g
Weight per piece (excluding packing)	2.085 g
Customs tariff number	85369010
Country of origin	DE

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



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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	0 W

### Connection data

Number of connections per level	2
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#### 1 level

Spade connection	6.3/2.8 x 0.8 mm
Connection in acc. with standard	IEC 60947-7-1
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 (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 (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.)
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.)

### Dimensions

Width	5.2 mm
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### Material specifications

Color	gray (RAL 7042)
Flammability rating according to UL 94	V2
Insulating material group	I
Insulating material	PA
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °C

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Relative insulation material temperature index (Elec., UL 746 B)	125 °C
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## Mechanical properties

### Mechanical data

Open side panel	No
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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 %

## Standards and regulations

Connection in acc. with standard	IEC 60947-7-1
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## Mounting

Mounting type	NS 15
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## Drawings


### Circuit diagram



Approvals

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	CSA			
	Approval ID: 13631			
		Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG
		150 V	20 A	22 - 14
				Cross section mm <sup>2</sup>
				-

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

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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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