

1406014

<https://www.phoenixcontact.com/us/products/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 mm² - 1 mm², 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	200 pc
Sales key	BE05
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 ² ... 1 mm ²
Cross section AWG	20 ... 14 (converted acc. to IEC)
Conductor cross section flexible	0.5 mm ² ... 1 mm ²
Conductor cross section, flexible [AWG]	20 ... 18 (converted acc. to IEC)
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm ² ... 1 mm ²
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
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

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1406014>

	CSA			
	Approval ID: 13631			
		Nominal voltage U _N	Nominal current I _N	Cross section AWG
		150 V	20 A	22 - 14
				Cross section mm ²
				-

	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
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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Accessories

TP-BK/MBK - Separating plate

0801791

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

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



ATP-MBK - Partition plate

1413227

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

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



BN WH - Marker for terminal blocks

1401404

<https://www.phoenixcontact.com/us/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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BN-ZB 5,2/WH CUS - Marker pin Zack strip

0824271

<https://www.phoenixcontact.com/us/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

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

1401695

<https://www.phoenixcontact.com/us/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

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NS 15 PERF 2000MM VPE 10 - DIN rail perforated

1401682

<https://www.phoenixcontact.com/us/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

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

1401763

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



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

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

1204096

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

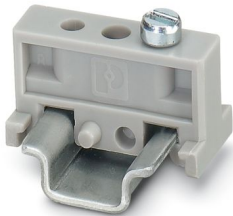


DIN rail perforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver

E/MBK - End bracket

1401637

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



End clamp, width: 6.2 mm, color: gray

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E/MK 1 - End bracket

1421659

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End clamp width: 6 mm, color: gray



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

3240152

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

Slip-on sleeve, non-insulated, 0.5 ... 1 mm², 2.8 x 0.5



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

3240048

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



Slip-on sleeve, red, 0.5 ... 1.5 mm², 2.8 x 0.5

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

3240153

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



Slip-on sleeve, non-insulated, 0.5 ... 1 mm², 2.8 x 0.8

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

3240049

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



Slip-on sleeve, red, 0.5 ... 1.5 mm², 2.8 x 0.8

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

3240156

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



Slip-on sleeve, non-insulated, 0.5 ... 1.5 mm², 6.3 x 0.8

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

3240052

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



Slip-on sleeve, red, 0.5 ... 1.5 mm², 6.3 x 0.8

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

3240159

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



Slip-on sleeve, non-insulated, 1.5 ... 2.5 mm², 6.3 x 0.8

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

3240055

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



Slip-on sleeve, blue, 1.5 ... 2.5 mm², 6.3 x 0.8

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

3240160

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



Slip-on sleeve, non-insulated, 4 ... 6 mm², 6.3 x 0.8

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

3240056

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



Slip-on sleeve, yellow, 4 ... 6 mm², 6.3 x 0.8

PT/FS 2,8 - Insulating sleeve

1406700

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



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

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com