

Feed-through terminal block - MBK 5/E-Z - 1402940

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 mm² - 6 mm², AWG 24 - 10, Width: 6.2 mm, Color: gray, 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 517 (CL1-2011)
GTIN	 4 017918 116941
Custom tariff number	85369010
Country of origin	CHINA

Technical data

General

Number of levels	1
Number of connections	2
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V0

Dimensions

Width	6.2 mm
Length	28 mm

Technical data

Maximum load current	41 A (with 6 mm ² conductor cross section)
Rated surge voltage	6 kV
Pollution degree	3
Surge voltage category	III

Feed-through terminal block - MBK 5/E-Z - 1402940

Technical data

Technical data

Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Nominal current I _N	32 A
Nominal voltage U _N	500 V
Open side panel	ja

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	6 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	4 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	10
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	4 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	2.5 mm ²
2 conductors with same cross section, solid min.	0.2 mm ²
2 conductors with same cross section, solid max.	1.5 mm ²
2 conductors with same cross section, stranded min.	0.2 mm ²
2 conductors with same cross section, stranded max.	1.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	2.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1.5 mm ²
Cross section with insertion bridge, solid max.	4 mm ²
Cross section with insertion bridge, stranded max.	4 mm ²
Connection method	Screw connection
Stripping length	8 mm
Internal cylindrical gage	A4
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

Classifications

eclass

eCl@ss 4.0	27141123
------------	----------

Feed-through terminal block - MBK 5/E-Z - 1402940

Classifications

eclass

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

UL Recognized / cUL Recognized / GOST / PRS / GOST / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized 			
	B	C	D
mm²/AWG/kcmil	26-10	26-10	26-10
Nominal current IN	30 A	30 A	5 A
Nominal voltage UN	300 V	300 V	600 V

Feed-through terminal block - MBK 5/E-Z - 1402940

Approvals

cUL Recognized 			
	B	C	D
mm²/AWG/kcmil	26-10	26-10	26-10
Nominal current IN	30 A	30 A	5 A
Nominal voltage UN	300 V	300 V	600 V

GOST 			
--	--	--	--

PRS			
-----	--	--	--

GOST 			
--	--	--	--

cULus Recognized 			
--	--	--	--

Accessories

Accessories

Assembly

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

Feed-through terminal block - MBK 5/E-Z - 1402940

Accessories

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/E - 1415021



End cover, Length: 28 mm, Width: 1 mm, Height: 26.2 mm, Color: gray

Separating plate - TS-KK 3 - 2770215



Separating plate, Length: 14 mm, Height: 16 mm, Color: gray

Partition plate - ATP-MBK - 1413227



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

Bridges

Feed-through terminal block - MBK 5/E-Z - 1402940

Accessories

Fixed bridge - FBI 10- 6 - 0203250



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

Fixed bridge - FBI 20- 6 - 0201867



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

Fixed bridge - FBI 100- 6 - 0201650

Fixed bridge, Number of positions: 100, Color: silver

Insertion bridge - EB 2- 6 - 0201155



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

Insertion bridge - EB 3- 6 - 0201142



Insertion bridge, Number of positions: 3, Color: gray

Insertion bridge - EB 10- 6 - 0201139



Insertion bridge, Number of positions: 10, Color: gray

Feed-through terminal block - MBK 5/E-Z - 1402940

Accessories

Switching jumper - SBRN 2-7 - 1413230



Switching jumper, Color: silver

Marking

Marker cards - SBS 6:UNBEDRUCKT - 1007222



Marker cards, Card, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into tall marker groove, Snap into flat marker groove, For terminal block width: 6.2 mm, Lettering field: 6 x 6.1 mm

Zack marker strip - ZB 6 CUS - 0824992



Zack marker strip, Strip, white, Labeled according to customer specifications, Mounting type: Snap into tall marker groove, For terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

Plug/Adapter

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

Drawings

Feed-through terminal block - MBK 5/E-Z - 1402940

Circuit diagram



© Phoenix Contact 2012 - all rights reserved
<http://www.phoenixcontact.com>