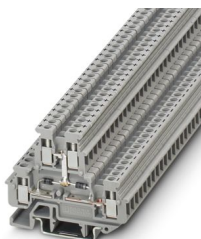


MBKKB 2,5-2 M.DIODENBOHRUNG - Feed-through terminal block

3048124

<https://www.phoenixcontact.com/us/products/3048124>

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The figure shows the terminal block with diodes fitted

Feed-through terminal block, Terminal block is supplied without diodes and can even be fitted with components., nom. voltage: 500 V, nominal current: 24 A, 1st and 2nd level, connection method: Screw connection, Rated cross section: 2.5 mm², cross section: 0.2 mm² - 4 mm², mounting: NS 15, NS 35/7,5, NS 35/15, color: gray

Commercial data

Item number	3048124
Packing unit	50 pc
Minimum order quantity	50 pc
Note	Made to order (non-returnable)
Product key	BE1264
GTIN	4017918906573
Weight per piece (including packing)	11.75 g
Weight per piece (excluding packing)	11.75 g
Country of origin	PL

MBKKB 2,5-2 M.DIODENBOHRUNG - Feed-through terminal block



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Technical data

Notes

Order information:	Terminal block is supplied without diodes and can even be fitted with components.
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Product properties

Product type	Miniature terminal block
Number of connections	4
Number of rows	2
Potentials	2

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
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Connection data

Number of connections per level	2
Nominal cross section	2.5 mm ²

1st and 2nd level

Connection method	Screw connection
Screw thread	M3
Tightening torque	0.5 ... 0.6 Nm
Stripping length	7 mm
Internal cylindrical gage	A3
Connection in acc. with standard	IEC 60947-7-1
Conductor cross-section rigid	0.2 mm ² ... 4 mm ²
Cross section AWG	24 ... 12 (converted acc. to IEC)
Conductor cross-section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross-section, flexible [AWG]	24 ... 14 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm ² ... 2.5 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.25 mm ² ... 2.5 mm ²
Cross-section with insertion bridge, rigid	2.5 mm ²
Cross-section with insertion bridge, flexible	2.5 mm ²
2 conductors with same cross section, rigid	0.2 mm ² ... 1 mm ²
2 conductors with same cross section, flexible	0.2 mm ² ... 1.5 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.25 mm ² ... 1.5 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 1.5 mm ²

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Nominal cross section	2.5 mm ²
Nominal current	24 A
Maximum load current	24 A (with 4 mm ² conductor cross-section)
Nominal voltage	500 V (Data is based on the dielectric strength of adjacent terminal blocks or of the DINg rail.)

Dimensions

Width	5.2 mm
End cover width	2.5 mm

Material specifications

Color	gray
Flammability rating according to UL 94	V2
Insulating material group	I
Insulating material	PA

Mechanical properties

Mechanical data

Open side panel	Yes
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Standards and regulations

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

Mounting type	NS 15
	NS 35/7,5
	NS 35/15

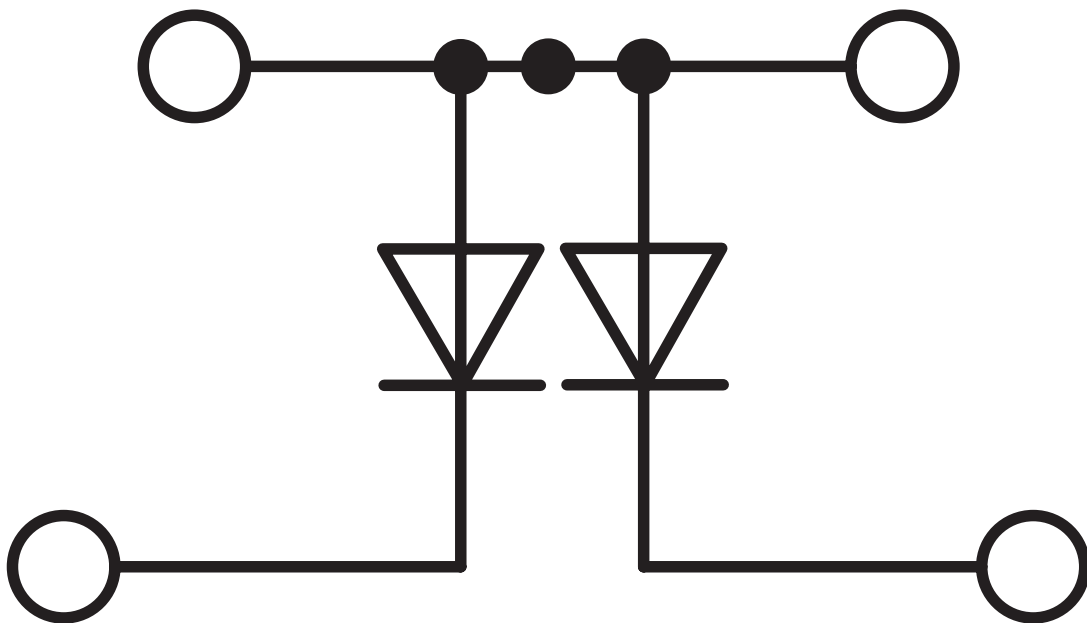
MBKKB 2,5-2 M.DIODENBOHRUNG - Feed-through terminal block

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Drawings

Circuit diagram



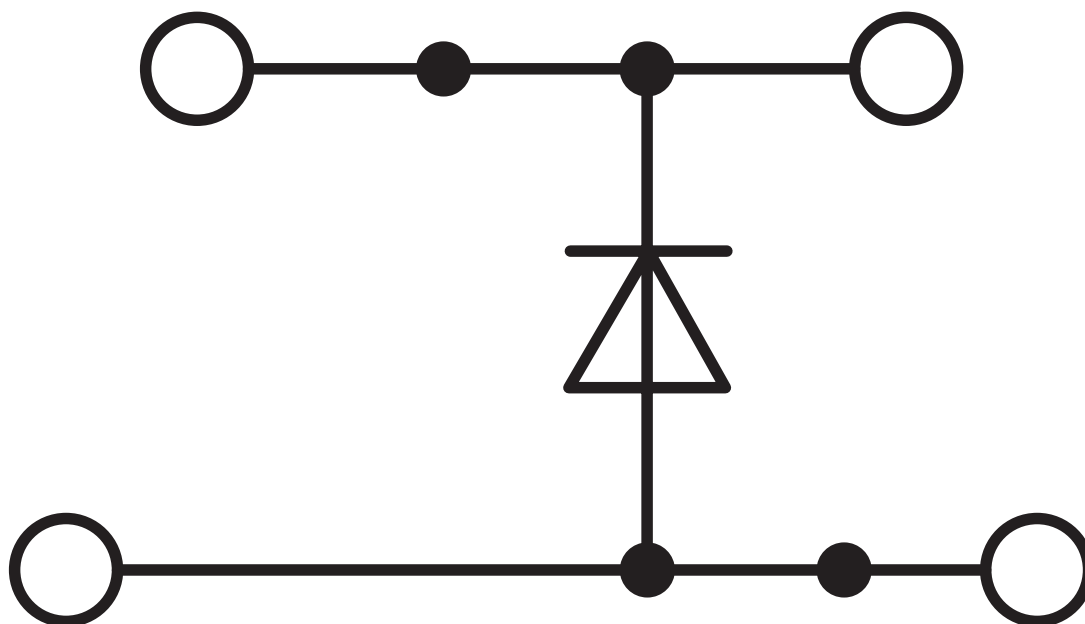
The circuit diagram shows a possible arrangement

MBKKB 2,5-2 M.DIODENBOHRUNG - Feed-through terminal block

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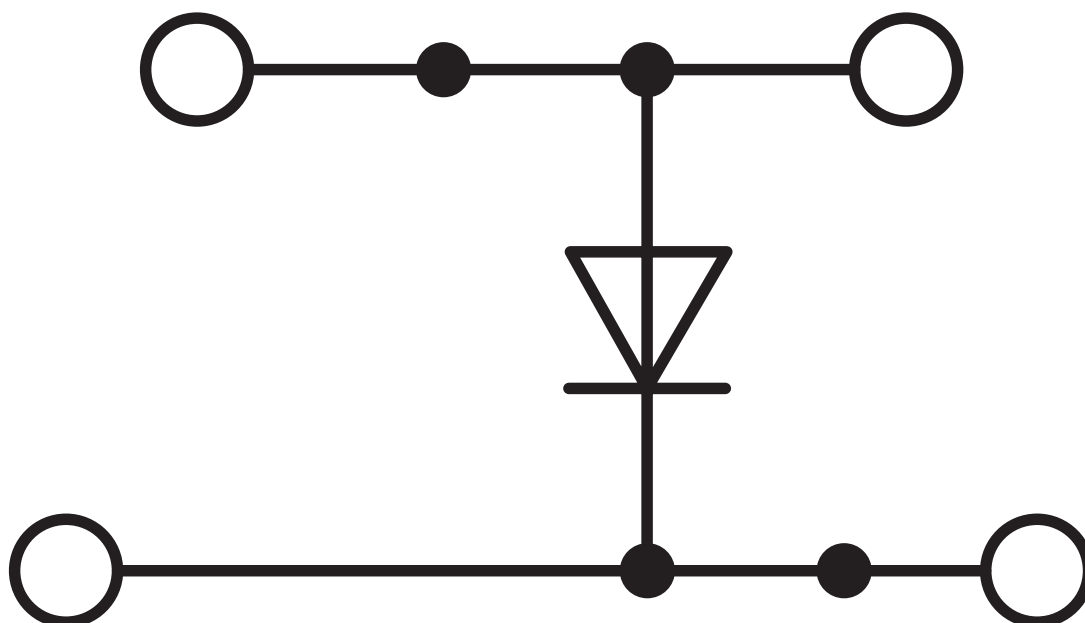
<https://www.phoenixcontact.com/us/products/3048124>

Circuit diagram



The circuit diagram shows a possible arrangement

Circuit diagram



The circuit diagram shows a possible arrangement

MBKKB 2,5-2 M.DIODENBOHRUNG - Feed-through terminal block



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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-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

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