

PCB terminal block - MKDS 3/ 2-B-5,08 BU - 1706439

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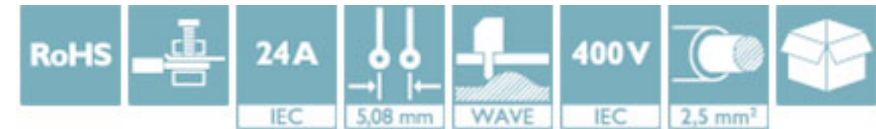


PCB terminal block, Nominal current: 24 A, Nom. voltage: 400 V, Pitch: 5.08 mm, Number of positions: 2, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: blue, Connections internally jumpered

The illustration shows a 3-position version

Why buy this product

- ✔ Well-known connection principle allows worldwide use
- ✔ Low temperature rise, thanks to maximum contact force
- ✔ Allows connection of two conductors
- ✔ Internal bridging for easily looping through potentials
- ✔ Integrated protective guide prevents incorrect insertion of the conductor underneath the tension sleeve
- ✔ The latching on the side enables various numbers of positions to be combined



Key Commercial Data

Packing unit	50 STK
Minimum order quantity	50 STK
GTIN	 4 017918 116781
GTIN	4017918116781
Custom tariff number	8536909000
Sales Key	AAACAA

Technical data

Dimensions

Length	11.2 mm
Pitch	5.08 mm
Dimension a	5.08 mm
Constructional height	18 mm
Length of the solder pin	5 mm
Pin dimensions	0,9 x 0,9 mm

<https://www.phoenixcontact.com/cn/products/1706439>

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Technical data

Dimensions

Hole diameter	1.3 mm
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General

Range of articles	MKDS 3/..-B
Insulating material group	I
Rated surge voltage (III/3)	4 kV
Rated surge voltage (III/2)	4 kV
Rated surge voltage (II/2)	4 kV
Rated voltage (III/3)	250 V
Rated voltage (III/2)	400 V
Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	24 A
Nominal cross section	2.5 mm ²
Maximum load current	28 A (with 4 mm ² conductor cross section)
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Internal cylindrical gage	A3
Stripping length	8 mm
Number of positions	2
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12
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, ferrules without plastic sleeve, min.	0.25 mm ²

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Technical data

Connection data

2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.75 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm²

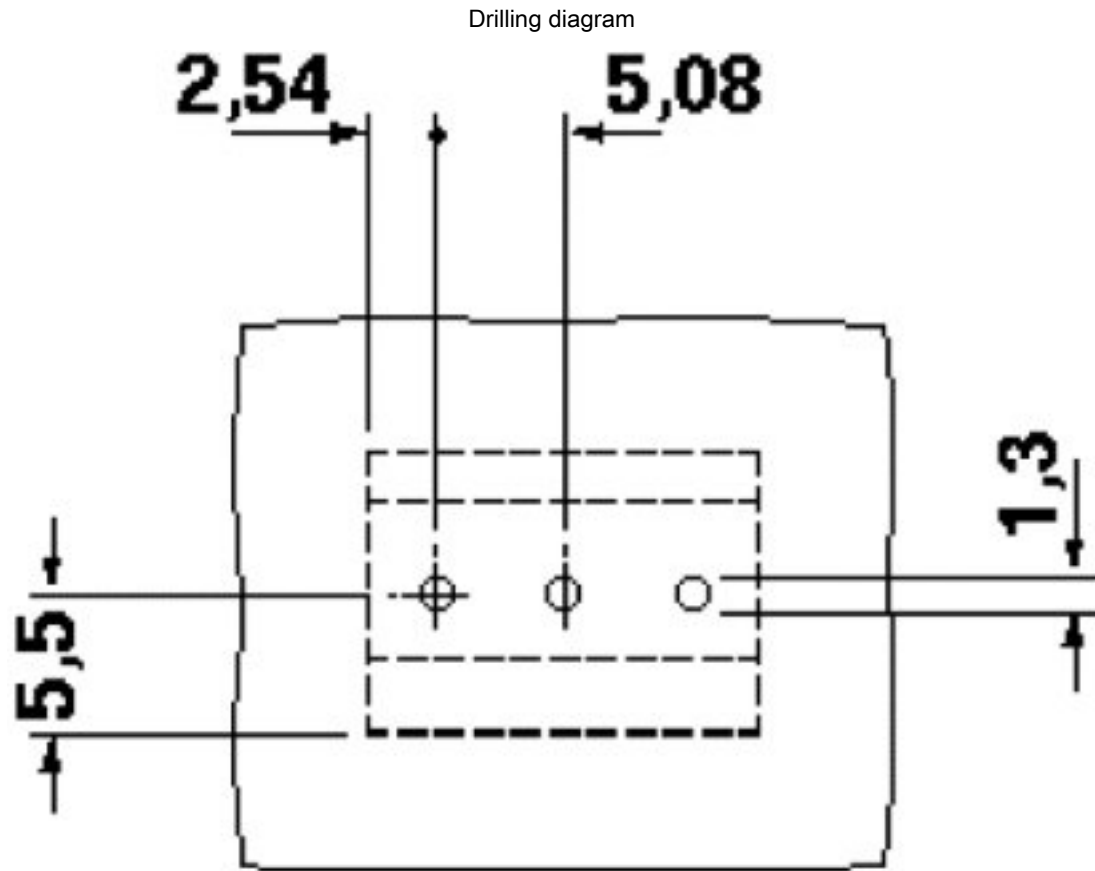
Standards and Regulations

Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

Environmental Product Compliance

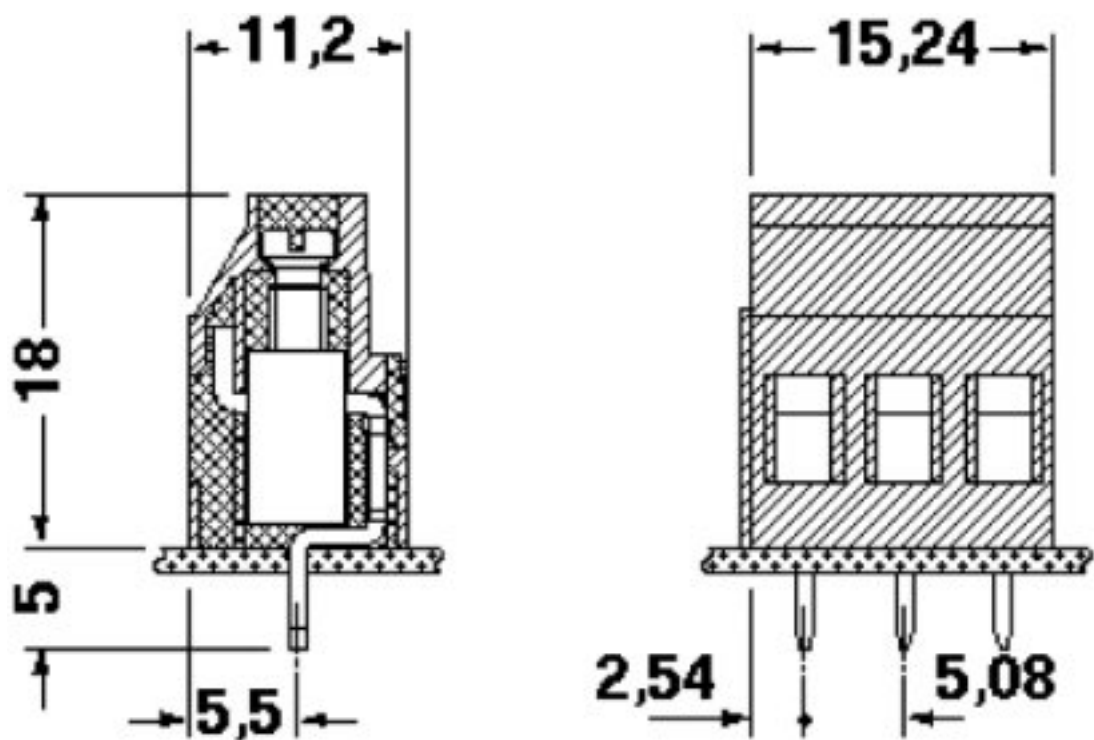
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings



PCB terminal block - MKDS 3/ 2-B-5,08 BU - 1706439

Dimensional drawing



Approvals

Approvals

Approvals

CSA / SEV / CCA / IEC EE CB Scheme / EAC / cULus Recognized / CCA / IEC EE CB Scheme

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services/testing-and-certification/certified-product-listing/	13631
	B	D	
mm²/AWG/kcmil	28-12	28-12	
Nominal current I _N	10 A	10 A	
Nominal voltage U _N	300 V	300 V	

<https://www.phoenixcontact.com/cn/products/1706439>

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Approvals

SEV		https://www.electrosuisse.ch/en/meta/shop/product-certificates.html	IK-3542-M1
mm ² /AWG/kcmil		4.0	
Nominal current I _N		28 A	
Nominal voltage U _N		250 V	

CCA	IK-2722
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IECEE CB Scheme		http://www.iecee.org/	CH-8225
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EAC		B.01742
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-19770427
		B	D
mm ² /AWG/kcmil		30-12	30-12
Nominal current I _N		15 A	10 A
Nominal voltage U _N		300 V	300 V

CCA		IK-2722
mm²/AWG/kcmil	4	
Nominal current I _N	28 A	
Nominal voltage U _N	250 V	

IECEE CB Scheme		http://www.iecee.org/	CH-8225
mm ² /AWG/kcmil		4	
Nominal current I _N		28 A	
Nominal voltage U _N		250 V	