

PCB terminal block - MKDSF 3/ 2 - 1712025

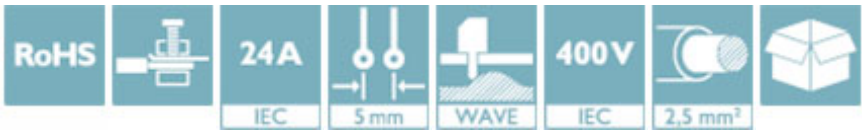
Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid
(<http://phoenixcontact.com/download>)



PCB terminal block, Nominal current: 24 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 2, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 90 °, Color: green, The article can be aligned to create different nos. of positions!

Why buy this product

- ✔ Well-known connection principle allows worldwide use
- ✔ Low temperature rise, thanks to maximum contact force
- ✔ Allows connection of two conductors
- ✔ 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 023768
GTIN	4017918023768
Custom tariff number	8536909000
Sales Key	AAACAA

Technical data

Dimensions

Length	18 mm
Pitch	5 mm
Dimension a	5 mm
Width	10 mm
Constructional height	11.2 mm
Height	15.3 mm
Length of the solder pin	4.1 mm
Pin dimensions	0,9 x 0,9 mm

<https://www.phoenixcontact.com/cn/products/1712025>

PCB terminal block - MKDSF 3/ 2 - 1712025

Technical data

Dimensions

Hole diameter	1.3 mm
---------------	--------

General

Range of articles	MKDSF 3
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	32 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

PCB terminal block - MKDSF 3/ 2 - 1712025

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

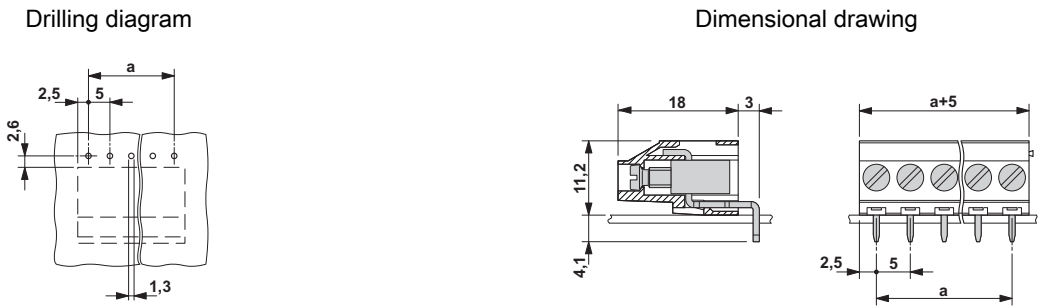
Standards and Regulations

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



Approvals

Approvals

Approvals
CSA / UL Recognized / SEV / cUL Recognized / CCA / EAC / SEV / cULus Recognized

Ex Approvals

Approval details

<https://www.phoenixcontact.com/cn/products/1712025>

PCB terminal block - MKDSF 3/ 2 - 1712025

Approvals

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

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	D	
mm²/AWG/kcmil	30-12	30-12	
Nominal current IN	15 A	10 A	
Nominal voltage UN	250 V	300 V	

SEV		https://www.electrosuisse.ch/en/meta/shop/product-certificates.html	IK-3248
-----	---	---	---------

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	D	
mm²/AWG/kcmil	30-12	30-12	
Nominal current IN	15 A	10 A	
Nominal voltage UN	250 V	300 V	

CCA	IK-3249
mm²/AWG/kcmil	4
Nominal voltage UN	250 V

EAC		B.01742
-----	---	---------

SEV		https://www.electrosuisse.ch/en/meta/shop/product-certificates.html	IK-3248
mm²/AWG/kcmil	4		

PCB terminal block - MKDSF 3/ 2 - 1712025

Approvals

Nominal current IN	32 A
Nominal voltage UN	250 V

cULus Recognized



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>