

PCB terminal block - MKDSF 3/ 8 (2468) BD:4,3,2,1SO - 1732843

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: 8, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 90 °, color: green


The figure shows a 2-pos. version of the product

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
GTIN	 4 017918 258931
GTIN	4017918258931

Technical data

Item properties

Brief article description	PCB terminal block
Range of articles	MKDSF 3
Pitch	5 mm
Number of positions	8
Connection method	Screw connection with tension sleeve
Drive form screw head	Slotted (L)
Screw thread	M3
Mounting type	Wave soldering
Pin layout	Linear pinning
Number of levels	1

PCB terminal block - MKDSF 3/ 8 (2468) BD:4,3,2,1SO - 1732843

Technical data

Electrical parameters

Rated current	24 A
Rated insulation voltage (III/2)	400 V
Rated surge voltage (III/2)	4 kV

Connection capacity

Conductor cross section solid	0.2 mm ² ... 4 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section AWG / kcmil	24 ... 12
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm ² ... 2.5 mm ²
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm ² ... 2.5 mm ²
2 conductors with same cross section, solid	0.2 mm ² ... 1.5 mm ²
2 conductors with same cross section, flexible	0.2 mm ² ... 1.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve	0.25 mm ² ... 0.75 mm ²
2 conductors with same cross section, stranded, with TWIN ferrules with plastic sleeve	0.5 mm ² ... 1.5 mm ²
Stripping length	8 mm

Material data - contact

Note	WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/ JEDEC JESD 201
Contact material	Cu alloy
Metal surface terminal point (top layer)	Tin (5 - 7 µm Sn)
Metal surface terminal point (middle layer)	Nickel (2 - 3 µm Ni)
Metal surface soldering area (top layer)	Tin (5 - 7 µm Sn)
Metal surface soldering area (middle layer)	Nickel (2 - 3 µm Ni)

Material data - housing

Housing color	green (6021)
---------------	--------------

Dimensions for the product

Length [l]	18 mm
Width [w]	40 mm
Height [h]	15.3 mm
Pitch	5 mm
Height (without solder pin)	11.2 mm
Solder pin [P]	4.1 mm
Pin dimensions	0.9 x 0.9 mm
Dimension a	35 mm

Dimensions for PCB design

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

Packaging information

Type of packaging	packed in cardboard
-------------------	---------------------

PCB terminal block - MKDSF 3/ 8 (2468) BD:4,3,2,1SO - 1732843

Technical data

Packaging information

Pieces per package	50
Denomination packing units	Pcs.

Electrical tests

Rated current	24 A
Rated insulation voltage (III/2)	400 V
Rated surge voltage (III/2)	4 kV

Air clearances and creepage distances

Insulating material group	I
Voltage	250 V
Rated insulation voltage (III/3)	250 V
Rated insulation voltage (III/2)	400 V
Rated insulation voltage (II/2)	630 V
Rated surge voltage (III/3)	4 kV
Rated surge voltage (III/2)	4 kV
Rated surge voltage (II/2)	4 kV

Standards and Regulations

Connection in acc. with standard	EN-VDE
	CSA

Environmental Product Compliance

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

Approvals

Approvals

Approvals

CSA / CCA / EAC / SEV / cULus Recognized

Ex Approvals

Approval details

PCB terminal block - MKDSF 3/ 8 (2468) BD:4,3,2,1SO - 1732843

Approvals

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
	B	D	
mm ² /AWG/kcmil	28-12	28-12	
Nominal current IN	10 A	10 A	
Nominal voltage UN	300 V	300 V	

CCA	IK-3249
mm ² /AWG/kcmil	4
Nominal voltage UN	250 V

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

SEV		https://www.electrosuisse.ch/en/meta/shop/product-certificates.html	IK-4199
mm ² /AWG/kcmil	4		
Nominal current IN	32 A		
Nominal voltage UN	250 V		

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-19870331
	B	D	
mm ² /AWG/kcmil	30-12	30-12	
Nominal current IN	15 A	10 A	
Nominal voltage UN	250 V	300 V	