PCB terminal block - MKKDS 1,5/ 9-5,08 - 1700812

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)



The figure shows the 3-pos. version

PCB terminal block, nominal current: 17.5 A, rated voltage (III/2): 400 V, pitch: 5.08 mm, number of positions: 9, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green, Solder pin [P]: 3.5 mm

Your advantages

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- Allows connection of two conductors
- Conductor connection on several levels enables higher contact density
- The latching on the side enables various numbers of positions to be combined



Key Commercial Data

Packing unit	1
GTIN	4 046356 501002
GTIN	4046356501002
Custom tariff number	85369010

Technical data

Item properties

Brief article description	PCB terminal block
Range of articles	MKKDS 1,5
Pitch	5.08 mm
Number of positions	9
Connection method	Screw connection with tension sleeve
Drive form screw head	Slotted (L)

PCB terminal block - MKKDS 1,5/ 9-5,08 - 1700812

Technical data

Item properties

Screw thread	M3
Mounting type	Wave soldering
Pin layout	Linear pinning
Number of levels	2
Number of connections	18
Number of potentials	18

Connection capacity

Conductor cross section solid	0.14 mm² ... 2.5 mm²
Conductor cross section flexible	0.14 mm² ... 1.5 mm²
Conductor cross section AWG / kcmil	26 ... 14
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm² ... 1 mm²
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm² ... 1.5 mm²
2 conductors with same cross section, solid	0.14 mm² ... 1 mm²
2 conductors with same cross section, flexible	0.14 mm² ... 0.75 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve	0.25 mm² ... 0.5 mm²
2 conductors with same cross section, stranded, with TWIN ferrules with plastic sleeve	0.5 mm² ... 0.5 mm²
Stripping length	7 mm
Torque	0.5 Nm ... 0.6 Nm

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

Insulating material	PA
Insulating material group	I
CTI according to IEC 60112	600
Flammability rating according to UL 94	V0
Glow wire flammability index GWFI according to EN 60695-2-12	850
Glow wire ignition temperature GWIT according to EN 60695-2-13	775
Temperature for the ball pressure test according to EN 60695-10-2	125 °C

Dimensions for the product

PCB terminal block - MKKDS 1,5/ 9-5,08 - 1700812

Technical data

Dimensions for the product

Caption	Schematic representation – for additional information, see product range drawing in the Download Center
Length [l]	21.4 mm
Width [w]	48.26 mm
Height [h]	29.5 mm
Pitch	5.08 mm
Height (without solder pin)	25.2 mm
Solder pin [P]	3.5 mm
Pin dimensions	0.9 x 0.9 mm
Dimension a	40.64 mm

Dimensions for PCB design

Hole diameter	1.3 mm

Packaging information

Type of packaging	packed in cardboard
Pieces per package	50
Denomination packing units	Pcs.

Electrical tests

Rated current	17.5 A
Conductor cross section	1.5 mm²
Rated voltage (III/2)	400 V
Rated surge voltage (III/2)	4 kV

Air clearances and creepage distances

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
Flammability rating according to UL 94	V0

Environmental Product Compliance

	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50

PCB terminal block - MKKDS 1,5/ 9-5,08 - 1700812

Technical data

Environmental Product Compliance

	For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration”

Classifications

eCl@ss

eCl@ss 4.0	27141100
eCl@ss 4.1	27141100
eCl@ss 5.0	27141100
eCl@ss 5.1	27261100
eCl@ss 6.0	27261100
eCl@ss 7.0	27440401
eCl@ss 8.0	27440401
eCl@ss 9.0	27440401

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002643
ETIM 5.0	EC002643
ETIM 6.0	EC002643
ETIM 7.0	EC002643

UNSPSC

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432
UNSPSC 11	39121432
UNSPSC 12.01	39121432
UNSPSC 13.2	39121432

Approvals

Approvals

Approvals

CCA / UL Recognized / cUL Recognized / SEV / EAC

Ex Approvals

PCB terminal block - MKKDS 1,5/ 9-5,08 - 1700812

Approvals

Approval details

CCA		IK-3249
Nominal voltage UN	250 V	
mm²/AWG/kcmil	2.5	

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	D	
Nominal voltage UN	125 V	300 V	
Nominal current IN	10 A	10 A	
mm²/AWG/kcmil	30-14	30-14	

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	D	
Nominal voltage UN	125 V	300 V	
Nominal current IN	10 A	10 A	
mm²/AWG/kcmil	30-14	30-14	

SEV		https://www.electrosuisse.ch/de/meta/shop/produktezertifikate.html	IK-4199
Nominal voltage UN	250 V		
Nominal current IN	24 A		
mm²/AWG/kcmil	2.5		

EAC		B.01742

Phoenix Contact 2019 © - all rights reserved
http://www.phoenixcontact.com