

PCB terminal block - MKDS 1,5/ 2-5,08 HT BK - 1985904

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://download.phoenixcontact.com>)



PCB terminal block, Nominal current: 17.5 A, Nom. voltage: 320 V, Pitch: 5.08 mm, Number of positions: 2, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: black, This article can be soldered in the reflow furnace together with SMD components.

Product Features

- ✓ Standard PCB terminal block types made from high-temperature-resistant plastics
- ✓ Delivery form: box packaging, in bulk
- ✓ Tape-on-reel packing according to IEC 60286-3 for automated mounting available on request
- ✓ Use in SMT reflow processes

Key commercial data

package_quantity	50
GTIN	4017918929305

Technical data

Dimensions

Length	9.8 mm
Height	13.8 mm
Pitch	5.08 mm
Dimension a	5.08 mm
Pin dimensions	0,9 x 0,9 mm
Pin spacing	5 mm
Hole diameter	1.3 mm

General

Range of articles	MKDS 1,5/...-HT
Insulating material group	IIIa
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)	200 V
Rated voltage (III/2)	320 V
Rated voltage (II/2)	320 V
Connection in acc. with standard	EN-VDE
Nominal current I _N	17.5 A
Nominal cross section	1.5 mm ²

PCB terminal block - MKDS 1,5/ 2-5,08 HT BK - 1985904

Technical data

General

Maximum load current	24 A (with 2.5 mm ² conductor cross section)
Insulating material	PA
Solder pin surface	Sn
Inflammability class according to UL 94	V0
Internal cylindrical gage	A 1
Stripping length	7 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.	0.14 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section stranded min.	0.14 mm ²
Conductor cross section stranded max.	1.5 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	1.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	1.5 mm ²
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	14
2 conductors with same cross section, solid min.	0.14 mm ²
2 conductors with same cross section, solid max.	1 mm ²
2 conductors with same cross section, stranded min.	0.14 mm ²
2 conductors with same cross section, stranded max.	0.75 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1 mm ²
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	14

classifications

eCl@ss

eCl@ss 4.0	27141109
------------	----------

PCB terminal block - MKDS 1,5/ 2-5,08 HT BK - 1985904

classifications

eCl@ss

eCl@ss 4.1	27141109
eCl@ss 5.0	27141190
eCl@ss 5.1	27141190
eCl@ss 6.0	27261101
eCl@ss 7.0	27440401
eCl@ss 8.0	27440401

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002643
ETIM 5.0	EC002643

UNSPSC

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

approvals

UL Recognized / SEV / cUL Recognized / GOST / CCA / IEC CB Scheme / GOST / cULus Recognized /

Approval details

UL Recognized 		
Usegroups	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	15 A	10 A
mm²/AWG/kcmil	30-14	30-14

SEV	
Nominal voltage UN	250 V
Nominal current IN	
mm²/AWG/kcmil	2.5

cUL Recognized 

PCB terminal block - MKDS 1,5/ 2-5,08 HT BK - 1985904

approvals

Usegroups	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	15 A	10 A
mm²/AWG/kcmil	30-14	30-14

GOST 

CCA

IECEE CB Scheme 



cULus Recognized 

accessories

Screwdriver tools

SZS 0,6X3,5 - 1205053



Labeled terminal marker

SK 5/3,8:FORTL.ZAHLEN - 0804183



Drawings

PCB terminal block - MKDS 1,5/ 2-5,08 HT BK - 1985904

Drilling diagram

Dimensioned drawing

© Phoenix Contact 2013 - all rights reserved
<http://www.phoenixcontact.com>