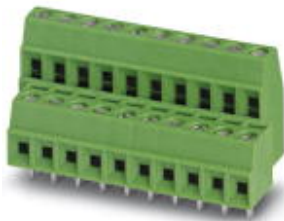


PCB terminal block - MKKDS 1/12-3,81 - 1708136

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: 8 A, Nom. voltage: 200 V, Pitch: 3.81 mm, Number of positions: 12, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green

The figure shows a 10-pos.
version with 20 contacts

Product Features

- ✓ Double-level type with high packing and connection density
- ✓ Offset levels for optimum access to the terminal points

Key commercial data

package_quantity	50
GTIN	4017918023577

Technical data

Dimensions

Length	16.3 mm
Height	16.2 mm
Pitch	3.81 mm
Dimension a	41.91 mm
Pin dimensions	0,5 x 0,9 mm
Hole diameter	1.1 mm

General

Range of articles	MKKDS 1
Insulating material group	I
Rated surge voltage (III/3)	2.5 kV
Rated surge voltage (III/2)	2.5 kV
Rated surge voltage (II/2)	2.5 kV
Rated voltage (III/3)	160 V
Rated voltage (III/2)	200 V
Rated voltage (II/2)	400 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	8 A
Nominal cross section	1 mm ²
Maximum load current	10 A
Insulating material	PA

PCB terminal block - MKKDS 1/12-3,81 - 1708136

Technical data

General

Solder pin surface	Sn
Inflammability class according to UL 94	V0
Stripping length	5 mm
Number of positions	12
Screw thread	M2
Tightening torque, min	0.22 Nm
Tightening torque max	0.25 Nm

Connection data

Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section stranded min.	0.14 mm ²
Conductor cross section stranded max.	1 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.	0.5 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.	0.5 mm ²
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	16
2 conductors with same cross section, solid min.	0.14 mm ²
2 conductors with same cross section, solid max.	0.5 mm ²
2 conductors with same cross section, stranded min.	0.14 mm ²
2 conductors with same cross section, stranded max.	0.2 mm ²
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	16

classifications

eCl@ss

eCl@ss 4.0	27141109
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

PCB terminal block - MKKDS 1/12-3,81 - 1708136

classifications

ETIM

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

CSA / UL Recognized / SEV / cUL Recognized / GOST / CCA / IECEE CB Scheme / GOST / cULus Recognized /

Approval details

CSA 		
Usegroups	B	D
Nominal voltage UN	150 V	300 V
Nominal current IN	10 A	10 A
mm²/AWG/kcmil	28-16	28-16

UL Recognized 		
Usegroups	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	10 A	10 A
mm²/AWG/kcmil	30-16	30-16

SEV	
Nominal voltage UN	125 V
Nominal current IN	
mm²/AWG/kcmil	1.5

cUL Recognized 		
Usegroups	B	D
Nominal voltage UN	300 V	300 V

PCB terminal block - MKKDS 1/12-3,81 - 1708136

approvals

Usegroups	B	D
Nominal current I _N	10 A	10 A
mm ² /AWG/kcmil	30-16	30-16

GOST 

CCA

IECEE CB Scheme 



cULus Recognized 

accessories

Screwdriver tools

SZS 0,4X2,5 VDE - 1205037



Labeled terminal marker

SK 3,81/2,8:FORTL.ZAHLEN - 0804109



Terminal marking

PCB terminal block - MKKDS 1/12-3,81 - 1708136

accessories

SK U/2,8 WH:UNBEDRUCKT - 0803883



Marker pen

B-STIFT - 1051993



accessories

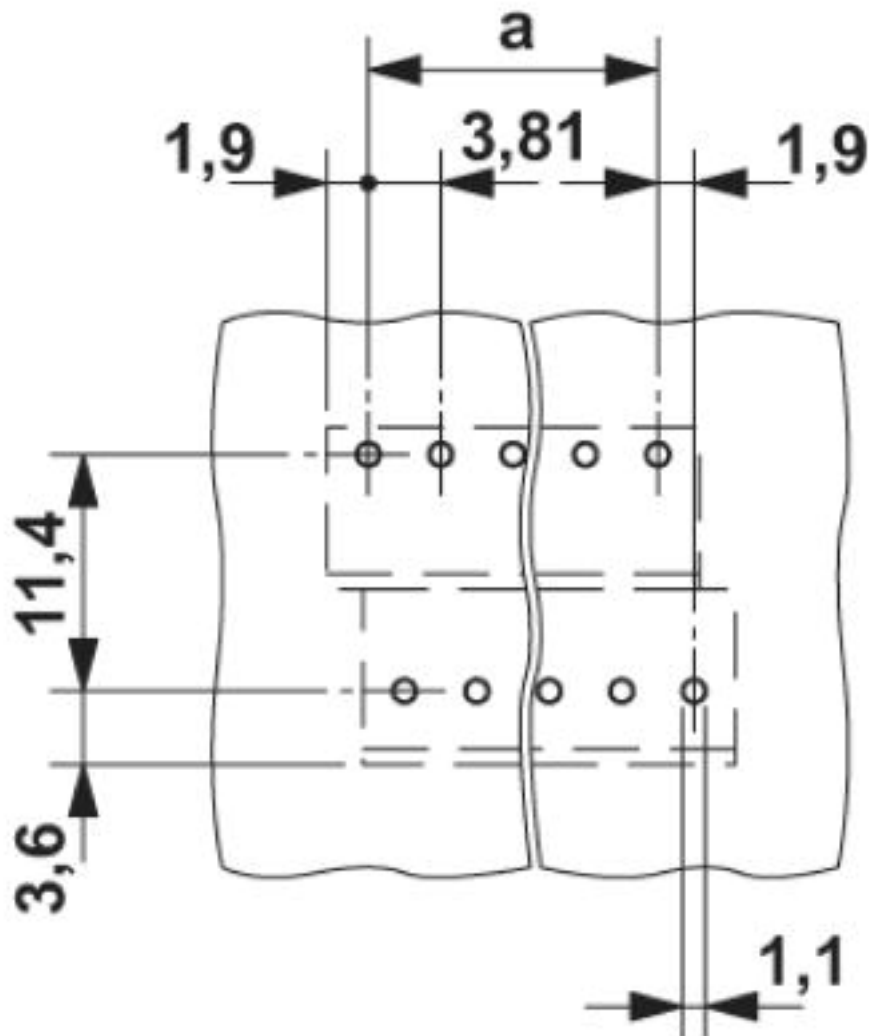
SK 3,81/2,8:SO - 0805056



Drawings

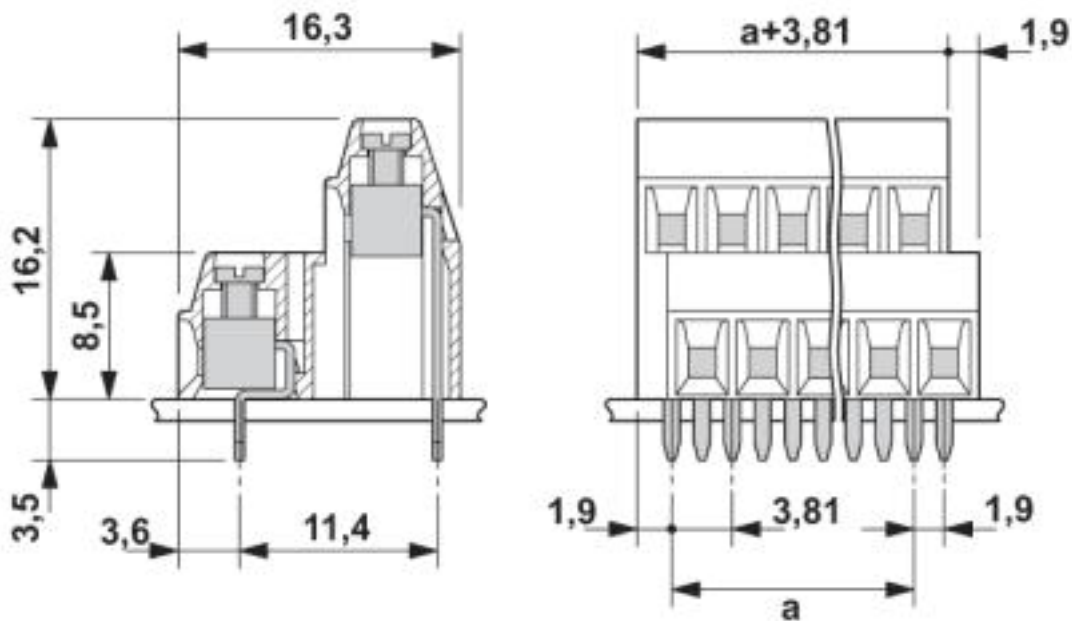
PCB terminal block - MKKDS 1/12-3,81 - 1708136

Drilling diagram



PCB terminal block - MKKDS 1/12-3,81 - 1708136

Dimensioned drawing



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