

PCB terminal block - MKKDSG 3/ 2 - 1721090

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: 400 V, Pitch: 5 mm, Number of positions: 2, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green, The article can be aligned to create different nos. of positions!

The illustration shows a 3-position version

Product Features

- ☒ No offset levels for space-saving installation in device housing
- ☒ Double-level type with high packing and connection density

Key commercial data

package_quantity	50
GTIN	4017918025076

Technical data

Dimensions

Length	22.3 mm
Pitch	5 mm
Pin dimensions	0,9 x 0,9 mm
Hole diameter	1.3 mm

General

Range of articles	MKKDSG 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	17.5 A
Nominal cross section	2.5 mm ²
Maximum load current	24 A (with 4 mm ² conductor cross section)
Insulating material	PA
Solder pin surface	Sn
Inflammability class according to UL 94	V0

PCB terminal block - MKKDSG 3/ 2 - 1721090

Technical data

General

Internal cylindrical gage	A3
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.	0.2 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 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.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil 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
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.75 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.	0.5 mm ²
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	12

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

PCB terminal block - MKKDSG 3/ 2 - 1721090

classifications

eCl@ss

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

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

Approval details

CSA 		
Usegroups	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	10 A	10 A
mm²/AWG/kcmil	28-12	28-12

UL Recognized 		
Usegroups	B	D
Nominal voltage UN	125 V	300 V
Nominal current IN	10 A	10 A
mm²/AWG/kcmil	30-12	30-12

SEV	
Nominal voltage UN	250 V
Nominal current IN	
mm²/AWG/kcmil	4

PCB terminal block - MKKDSG 3/ 2 - 1721090

approvals

cUL Recognized 		
Usegroups	B	D
Nominal voltage UN	125 V	300 V
Nominal current IN	10 A	10 A
mm²/AWG/kcmil	30-12	30-12

GOST 
--

CCA

IECEE CB Scheme 
--



cULus Recognized  US

accessories

Screwdriver tools

SZS 0,6X3,5 - 1205053



Labeled terminal marker

PCB terminal block - MKKDSG 3/ 2 - 1721090

accessories

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



Terminal marking

SK 5/3,8:UNBEDRUCKT - 0805409



Cover

EA-MKDS - 1711408



Marker pen

B-STIFT - 1051993



accessories

SK 5/3,8:SO - 0805072

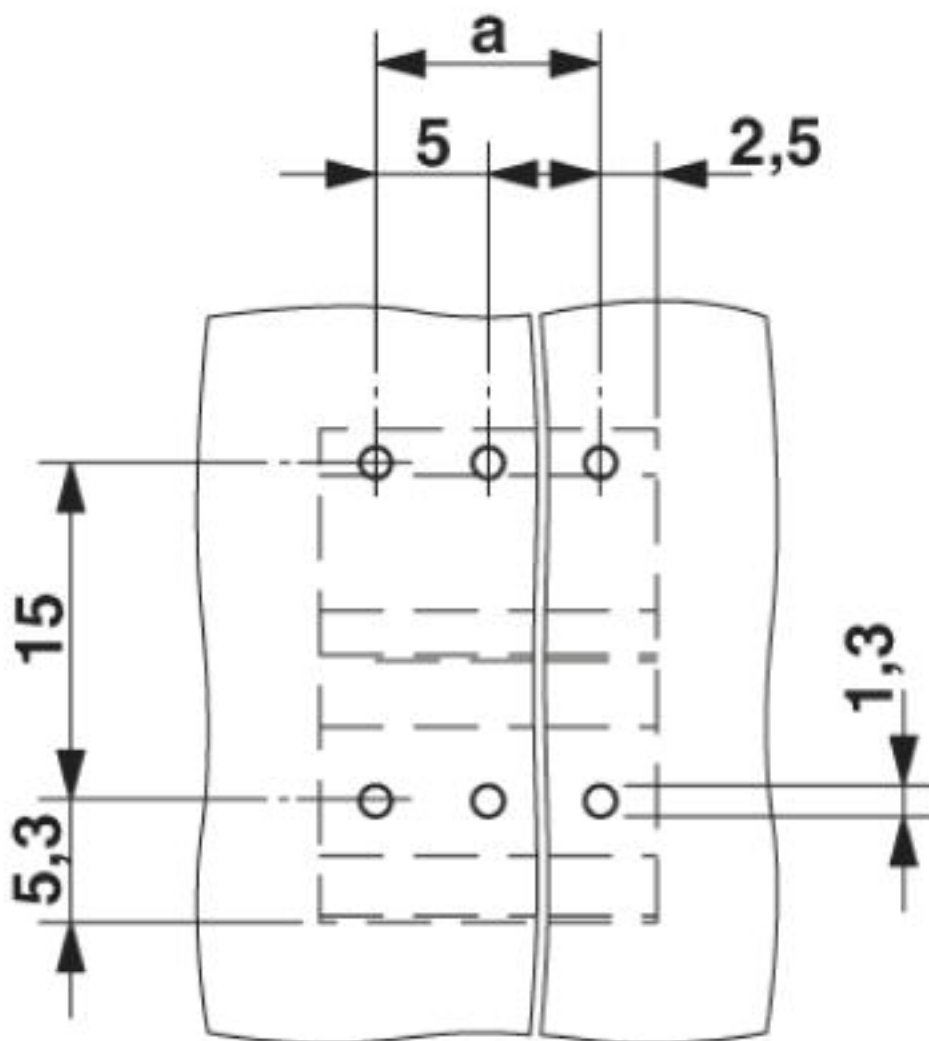


PCB terminal block - MKKDSG 3/ 2 - 1721090

accessories

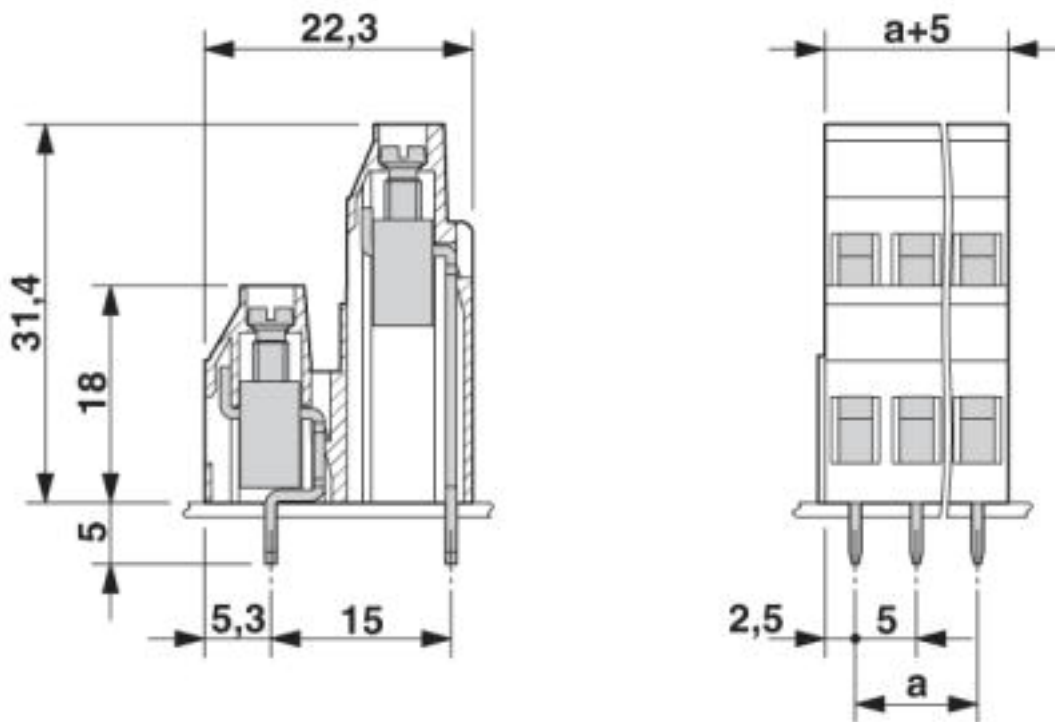
Drawings

Drilling diagram



PCB terminal block - MKKDSG 3/ 2 - 1721090

Dimensioned drawing



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