

PCB terminal block - MKDSD 2,5/12-5,08 - 1730609

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: 24 A, Nom. voltage: 400 V, Pitch: 5.08 mm, Number of positions: 12, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green



Key commercial data

Packing unit	1 pc
GTIN	 4 017918 116071
Weight per Piece (excluding packing)	26.2 GRM
Custom tariff number	85369010
Country of origin	Poland

Technical data

Dimensions

Length	11.62 mm
Pitch	5.08 mm
Dimension a	55.88 mm
Pin dimensions	1,1 x 0,8 mm
Hole diameter	1.4 mm

General

Range of articles	MKDSD 2,5
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

PCB terminal block - MKDSD 2,5/12-5,08 - 1730609

Technical data

General

Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	24 A
Nominal cross section	2.5 mm ²
Maximum load current	24 A
Insulating material	PA
Solder pin surface	Sn
Inflammability class according to UL 94	V0
Internal cylindrical gage	A3
Stripping length	8 mm
Number of positions	12
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.	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.	2.5 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.	0.75 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.	0.75 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.	1.5 mm ²
Minimum AWG according to UL/CUL	30

PCB terminal block - MKDSD 2,5/12-5,08 - 1730609

Technical data

Connection data

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
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

Approvals

Approvals

CSA / UL Recognized / SEV / cUL Recognized / GOST / CCA / GOST / cULus Recognized

Ex Approvals

Approvals submitted

PCB terminal block - MKDSD 2,5/12-5,08 - 1730609

Approvals

Approval details

CSA 		
	B	D
mm ² /AWG/kcmil	28-12	28-12
Nominal current IN	10 A	10 A
Nominal voltage UN	300 V	300 V

UL Recognized 		
	B	D
mm ² /AWG/kcmil	30-12	30-12
Nominal current IN	20 A	10 A
Nominal voltage UN	300 V	300 V

SEV		
	B	D
mm ² /AWG/kcmil	2.5	
Nominal voltage UN	400 V	

cUL Recognized 		
	B	D
mm ² /AWG/kcmil	30-12	30-12
Nominal current IN	20 A	10 A
Nominal voltage UN	300 V	300 V

GOST 		
	B	D
mm ² /AWG/kcmil	2.5	
Nominal voltage UN	400 V	

CCA		
	B	D
mm ² /AWG/kcmil	2.5	
Nominal voltage UN	400 V	

PCB terminal block - MKDSD 2,5/12-5,08 - 1730609

Approvals

GOST 

cULus Recognized 

Accessories

Accessories

Bridge

Insertion bridge - EBP 2- 5 - 1733169



Insertion bridge, fully insulated, for connectors with 5.0 or 5.08 mm pitch, no. of positions: 2

Labeled terminal marker

Marker cards - SK 5,08/3,8:FORTL.ZAHLEN - 0804293



Marker cards, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type: Adhesive, For terminal block width: 5.08 mm, Lettering field: 5.08 x 3.8 mm

Screwdriver tools

Screwdriver - SZS 0,6X3,5 - 1205053

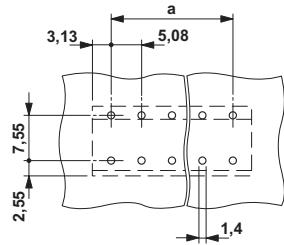


Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

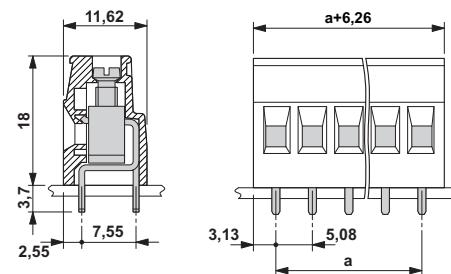
Drawings

PCB terminal block - MKDSD 2,5/12-5,08 - 1730609

Drilling diagram



Dimensioned drawing



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