

PCB terminal block - MKDSN 2,5/ 5 VPE500 - 1986987

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: 16 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 5, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0°

Key commercial data

package_quantity	500
GTIN	4017918924560

Technical data

Dimensions

Length	9.5 mm
Pitch	5 mm
Dimension a	20 mm
Pin dimensions	0,8 x 0,9 mm
Pin spacing	5 mm
Hole diameter	1.3 mm

General

Range of articles	MKDSN 2,5
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	16 A
Nominal cross section	2.5 mm ²
Solder pin surface	Sn
Internal cylindrical gage	A3
Stripping length	6.5 mm
Number of positions	5
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

PCB terminal block - MKDSN 2,5/ 5 VPE500 - 1986987

Technical data

Connection data

Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	14
2 conductors with same cross section, solid min.	0.2 mm ²
2 conductors with same cross section, solid max.	0.75 mm ²
2 conductors with same cross section, stranded min.	0.2 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
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

UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / GOST / GOST / cULus Recognized /

PCB terminal block - MKDSN 2,5/ 5 VPE500 - 1986987

approvals

Approval details

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

VDE Gutachten mit Fertigungsüberwachung	
Nominal voltage UN	250 V
Nominal current IN	24 A
mm ² /AWG/kcmil	0.2-2.5

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

GOST

--

cULus Recognized
