PCB terminal block - SMKDS 2,5/ 5-5,08 - 1702558

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)

The illustration shows the 3-pos. version

PCB terminal block, Nominal current: 20 A, Nom. voltage: 400 V, Pitch: 5.08 mm, Number of positions: 5, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 40 °, Color: green

Product Features

- PCB terminal block with 40° angled connection direction
- 5.08 mm pitch
- Screwdriver axis vertical to the PCB

Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	11.6 GRM
Custom tariff number	85369010
Country of origin	Poland

Technical data

Dimensions

Length	14.25 mm
Pitch	5.08 mm
Dimension a	20.32 mm
Pin dimensions	1 x 0,9 mm
Hole diameter	1.4 mm

General

Range of articles	SMKDS 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

PCB terminal block - SMKDS 2,5/ 5-5,08 - 1702558

Technical data

General

Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	20 A
Nominal cross section	2.5 mm²
Solder pin surface	Sn
Internal cylindrical gage	A3
Stripping length	11 mm
Number of positions	5
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

Connection data

Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	14
2 conductors with same cross section, solid min.	0.14 mm²
2 conductors with same cross section, solid max.	0.75 mm²
2 conductors with same cross section, stranded min.	0.14 mm²
2 conductors with same cross section, stranded max.	0.75 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.75 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm²
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

PCB terminal block - SMKDS 2,5/ 5-5,08 - 1702558

Classifications

eCl@ss

eCl@ss 8.0	27440401

ETIM

ETIM 3.0	EC002643
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

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

Ex Approvals

Approvals submitted

Approval details

SEV	
mm²/AWG/kcmil	2.5
Nominal current IN	24 A
Nominal voltage UN	250 V

GOST

PCB terminal block - SMKDS 2,5/ 5-5,08 - 1702558

Approvals

CSA

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

UL Recognized

	B	D
mm²/AWG/kcmil	30-12	30-12
Nominal current IN	10 A	10 A
Nominal voltage UN	250 V	300 V

cUL Recognized

	B	D
mm²/AWG/kcmil	30-12	30-12
Nominal current IN	10 A	10 A
Nominal voltage UN	250 V	300 V

CCA

IECEE CB Scheme

GOST

SEV

mm²/AWG/kcmil	2.5
Nominal voltage UN	250 V

PCB terminal block - SMKDS 2,5/ 5-5,08 - 1702558

Approvals

cULus Recognized

Phoenix Contact 2014 © - all rights reserved
http://www.phoenixcontact.com