

## PCB terminal block - SMKDS 2,5/16-5,08 MIXEDCOL 1 - 1757390

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PCB terminal block, Nominal current: 20 A, Nom. voltage: 400 V, Pitch: 5.08 mm, Number of positions: 16, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 40 °, Color: Multi-color

### Key commercial data

Packing unit	1 pc
Minimum order quantity	50 pc
Weight per Piece (excluding packing)	37.83 GRM
Custom tariff number	85369010
Country of origin	Poland

### Technical data

#### Dimensions

Length	14.25 mm
Pitch	5.08 mm
Dimension a	76.2 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
Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	20 A
Nominal cross section	2.5 mm <sup>2</sup>
Solder pin surface	Sn
Internal cylindrical gage	A3
Stripping length	11 mm
Number of positions	16
Screw thread	M3
Tightening torque, min	0.5 Nm

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## Technical data

### General

Tightening torque max	0.6 Nm
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### 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 mm <sup>2</sup>
2 conductors with same cross section, solid max.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.14 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm <sup>2</sup>
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	12

## Classifications

### eCl@ss

eCl@ss 4.0	27141111
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

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## Classifications

### UNSPSC

UNSPSC 12.01	39121432
UNSPSC 13.2	39121432

## Approvals

### Approvals

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### Approvals

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

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### Ex Approvals

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### Approvals submitted

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## Approval details

CSA		
	B	D
mm <sup>2</sup> /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 <sup>2</sup> /AWG/kcmil	30-12	30-12
Nominal current IN	10 A	10 A
Nominal voltage UN	250 V	300 V

SEV	
mm <sup>2</sup> /AWG/kcmil	2.5

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## Approvals

Nominal current IN	24 A
Nominal voltage UN	250 V

cUL Recognized

	B	D
mm <sup>2</sup> /AWG/kcmil	30-12	30-12
Nominal current IN	10 A	10 A
Nominal voltage UN	250 V	300 V

GOST

CCA

IECEE CB Scheme

GOST

SEV

mm <sup>2</sup> /AWG/kcmil	2.5
Nominal current IN	24 A
Nominal voltage UN	250 V

cULus Recognized