

PCB terminal block - SMKDS 1,5/ 2-3,5 - 1931770

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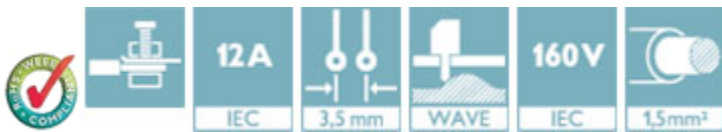


PCB terminal block, Nominal current: 12 A, Nom. voltage: 160 V, Pitch: 3.5 mm, Number of positions: 2, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 35 °, Color: green

The illustration shows the versions SMKDS 1,5/2 and SMKDS 1,5/3 when plugged in

Product Features

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- Allows connection of two conductors
- Angled connection enables multi-row arrangement on the PCB
- The latch on the side enables various numbers of positions to be combined



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	 4 017918 899530
Weight per Piece (excluding packing)	1.67 g
Custom tariff number	85369010
Country of origin	Poland

Technical data

Dimensions

Length	13.7 mm
Pitch	3.50 mm
Dimension a	3.5 mm

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Technical data

Dimensions

Constructional height	12 mm
Height	12 mm
Length of the solder pin	3.5 mm
Pin dimensions	0,6 x 1 mm
Pin spacing	3.5 mm
Hole diameter	1.3 mm

General

Range of articles	SMKDS 1,5
Insulating material group	I
Rated surge voltage (III/3)	2.5 kV
Rated surge voltage (III/2)	2.5 kV
Rated surge voltage (II/2)	2.5 kV
Rated voltage (III/3)	160 V
Rated voltage (III/2)	160 V
Rated voltage (II/2)	320 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	12 A
Nominal cross section	1.5 mm ²
Maximum load current	12 A
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Internal cylindrical gage	A1
Stripping length	7 mm
Number of positions	2
Screw thread	M2
Tightening torque, min	0.22 Nm
Tightening torque max	0.25 Nm

Connection data

Conductor cross section solid min.	0.08 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section flexible min.	0.08 mm ²
Conductor cross section flexible max.	1.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	1.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm ²

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Technical data

Connection data

Conductor cross section flexible, with ferrule with plastic sleeve max.	1.5 mm ²
Conductor cross section AWG min.	28
Conductor cross section AWG max.	16
2 conductors with same cross section, solid min.	0.08 mm ²
2 conductors with same cross section, solid max.	0.5 mm ²
2 conductors with same cross section, stranded min.	0.08 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.	0.34 mm ²

Standards and Regulations

Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

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
eCl@ss 9.0	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

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Classifications

UNSPSC

UNSPSC 13.2	39121432
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Approvals

Approvals

Approvals

SEV / CCA / IEC EE CB Scheme / SEV / EAC / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

SEV	
mm ² /AWG/kcmil	1.5
Nominal current I _N	12 A
Nominal voltage U _N	125 V

CCA

IECEE CB Scheme

SEV	
mm ² /AWG/kcmil	1.5
Nominal voltage U _N	125 V

EAC

EAC

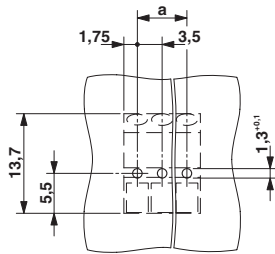
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Approvals

cULus Recognized		
	B	D
mm ² /AWG/kcmil	30-14	30-14
Nominal current I _N	10 A	10 A
Nominal voltage U _N	250 V	300 V

Drawings

Drilling diagram



Dimensional drawing

