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PCB terminal block, Nominal current: 24 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 2, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 55 °, Color: green, The article can be aligned to create different nos. of positions!

The illustration shows a 6-position version

#### **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
- Integrated protective guide prevents incorrect insertion of the conductor underneath the tension sleeve
- The latch on the side enables various numbers of positions to be combined











## **Key Commercial Data**

Packing unit	1 pc
Minimum order quantity	100 pc
GTIN	4 017918 023874
Weight per Piece (excluding packing)	4.1 g
Custom tariff number	85369010
Country of origin	Germany

#### Technical data

#### **Dimensions**

Length	16 mm
Pitch	5.00 mm



## Technical data

#### Dimensions

Dimension a	5 mm
Constructional height	18 mm
Length of the solder pin	4.5 mm
Pin dimensions	0,9 x 0,9 mm
Hole diameter	1.3 mm

#### General

Range of articles	SMKDS 3
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
Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current I <sub>N</sub>	24 A
Nominal cross section	2.5 mm²
Maximum load current	28 A (with 4 mm² conductor cross section)
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Internal cylindrical gage	A3
Stripping length	8 mm
Number of positions	2
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

### Connection data

Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	4 mm²
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm²



## Technical data

#### Connection data

Conductor cross section AWG min.	24
Conductor cross section AWG max.	12
2 conductors with same cross section, solid min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, solid max.	1.5 mm²
2 conductors with same cross section, stranded min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	1.5 mm²
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 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

## Standards and Regulations

Connection in acc. with standard	EN-VDE
	CSA
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



### Classifications

### **UNSPSC**

UNSPSC 11	39121432
UNSPSC 12.01	39121432
UNSPSC 13.2	39121432

## Approvals

Approvals

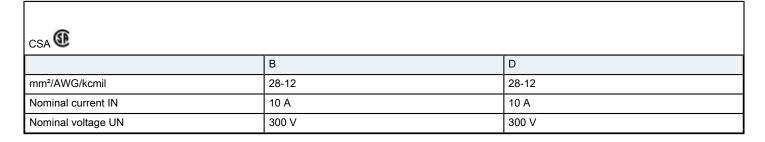
Approvals

 ${\sf CSA\,/\,UL\,\,Recognized\,/\,\,SEV\,/\,\,cUL\,\,Recognized\,/\,\,CCA\,/\,\,EAC\,/\,\,EAC\,/\,\,cULus\,\,Recognized}$ 

Ex Approvals

Approvals submitted

### Approval details



UL Recognized <b>5</b>		
	В	D
mm²/AWG/kcmil	30-12	30-12
Nominal current IN	15 A	10 A
Nominal voltage UN	250 V	300 V



## Approvals

SEV		
mm²/AWG/kcmil	4	
Nominal voltage UN	250 V	

cUL Recognized ••••				
	В	D		
mm²/AWG/kcmil	30-12	30-12		
Nominal current IN	15 A	10 A		
Nominal voltage UN	250 V	300 V		

CCA		
mm²/AWG/kcmil	4	
Nominal voltage UN	250 V	

I EAC		
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TEAC		
12.00		

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