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PCB terminal block, Nominal current: 24 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 6, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 35 °, Color: green, The article can be aligned to create different nos. of positions!

The illustration shows a 6-position version

Product Features

- Conductor and screwdriver axis at an angle of 35° to the usual direction
- Arrangement of several rows of terminal blocks one behind the other multi-level effect with the same design height

Key Commercial Data

Packing unit	1 pc	
GTIN	4 017918 023935	
Weight per Piece (excluding packing)	12.1 g	
Custom tariff number	85369010	
Country of origin	Germany	

Technical data

Dimensions

Length	16 mm
Pitch	5.00 mm
Dimension a	25 mm
Constructional height	22.5 mm
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



Technical data

General

Rated surge voltage (III/2) 4 kV Rated surge voltage (III/2) 4 kV Rated voltage (III/2) 250 V Rated voltage (III/2) 400 V Rated voltage (III/2) 630 V Connection in acc. with standard EN-VDE Nominal current I _N 24 A Nominal corses 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 6 Screw thread M3 Tightening torque, min 0.5 Nm			
Rated surge voltage (III/2) Rated voltage (III/2) Connection in acc. with standard EN-VDE Nominal current I _N 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 Internal cylindrical gage A3 Stripping length Number of positions 6 Screw thread M3 Tightening torque, min A vo	Rated surge voltage (III/3)	4 kV	
Rated voltage (III/2) Rated voltage (II/2) Rated voltage (II/2) Rated voltage (II/2) Rat	Rated surge voltage (III/2)	4 kV	
Rated voltage (III/2) Rated voltage (III/2) Connection in acc. with standard EN-VDE Nominal current I _N 24 A Nominal cross section 2.5 mm² Maximum load current Insulating material Solder pin surface Flammability rating according to UL 94 Internal cylindrical gage A3 Stripping length Number of positions Screw thread Tightening torque, min 400 V 630 V 640 EN-VDE 24 A 25 mm² 28 A (with 4 mm² conductor cross section) PA V0 V0 Sn Sn Sn Sn Stripping length 8 mm M3 C5 Nm	Rated surge voltage (II/2)	4 kV	
Rated voltage (II/2) Connection in acc. with standard EN-VDE Nominal current I _N 24 A Nominal cross section 2.5 mm² Maximum load current Braid according to UL 94 Internal cylindrical gage As Stripping length Number of positions Screw thread Tightening torque, min EN-VDE 24 A 24 A 25 mm² 28 A (with 4 mm² conductor cross section) PA Solder pin surface Sn Yo 8 mm Ma 10.5 Nm	Rated voltage (III/3)	250 V	
Connection in acc. with standard Nominal current I _N 24 A Nominal cross section 2.5 mm² Maximum load current Insulating material PA Solder pin surface Flammability rating according to UL 94 Internal cylindrical gage A3 Stripping length Number of positions Screw thread Tightening torque, min EN-VDE 24 A 24 A 25 mm² 28 A (with 4 mm² conductor cross section) PA V0 V0 A3 Sm M3 Tightening torque, min EN-VDE	Rated voltage (III/2)	400 V	
Nominal current I _N 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 Number of positions 6 Screw thread M3 Tightening torque, min 24 A 24 A A A A A A A B M A A B M A A A B M A A B M A B M A B M A B M A B D D D D D D D D D D D D	Rated voltage (II/2)	630 V	
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 Number of positions 6 Screw thread M3 Tightening torque, min 2.5 mm² 28 A (with 4 mm² conductor cross section) PA Sn Sn Flammability rating according to UL 94 V0 M3 Tightening torque, min 2.5 mm² A8 M8 A9 A9 A9 A9 A9 A9 A9 A9 A9 A	Connection in acc. with standard	EN-VDE	
Maximum load current Insulating material PA Solder pin surface Sn Flammability rating according to UL 94 Vo Internal cylindrical gage A3 Stripping length Number of positions Screw thread Tightening torque, min 28 A (with 4 mm² conductor cross section) PA 8 m 6 8 mm 0.5 Nm	Nominal current I _N	24 A	
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 6 Screw thread M3 Tightening torque, min 0.5 Nm	Nominal cross section	2.5 mm²	
Solder pin surface Flammability rating according to UL 94 V0 Internal cylindrical gage A3 Stripping length Number of positions 6 Screw thread M3 Tightening torque, min Sn Sn V0 Na V0 A3 A3 Stripping length 8 mm M3 Control of positions 6 Screw thread M3 O.5 Nm	Maximum load current	28 A (with 4 mm² conductor cross section)	
Flammability rating according to UL 94 Internal cylindrical gage A3 Stripping length Number of positions 6 Screw thread M3 Tightening torque, min V0 A3 B mm B mm M3 Control of the control	Insulating material	PA	
Internal cylindrical gage A3 Stripping length 8 mm Number of positions 6 Screw thread M3 Tightening torque, min 0.5 Nm	Solder pin surface	Sn	
Stripping length 8 mm Number of positions 6 Screw thread M3 Tightening torque, min 0.5 Nm	Flammability rating according to UL 94	V0	
Number of positions 6 Screw thread M3 Tightening torque, min 0.5 Nm	Internal cylindrical gage	A3	
Screw thread M3 Tightening torque, min 0.5 Nm	Stripping length	8 mm	
Tightening torque, min 0.5 Nm	Number of positions	6	
	Screw thread	M3	
Tightening torque max 0.6 Nm	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 mm²
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
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12
2 conductors with same cross section, solid min.	0.2 mm²
2 conductors with same cross section, solid max.	1.5 mm²
2 conductors with same cross section, stranded min.	0.2 mm²
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 ²



Technical data

Connection data

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.	
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
UNSPSC 11	39121432
UNSPSC 12.01	39121432
UNSPSC 13.2	39121432

Approvals

Approvals



Approvals

Approvais				
Approvals				
CSA / UL Recognized / SEV / cUL Recognized / CCA / EAC / cULus Recognized				
Ex Approvals				
Approvals submitted				
Approval details				
CSA ①				
	В	В		
mm²/AWG/kcmil	28-12	28-12		
Nominal current IN	10 A			
Nominal voltage UN	300 V			
UL Recognized 5	1-			
2/4/4/0//	В		D	
mm²/AWG/kcmil	30-12		30-12	
Nominal current IN	15 A		10 A 300 V	
Nominal voltage UN	250 V		300 V	
SEV				
mm²/AWG/kcmil				
Nominal voltage UN	250 V			
cUL Recognized				
-	В	В		
mm²/AWG/kcmil	30-12			
Nominal current IN	15 A			



Approvals

	В	D
Nominal voltage UN	250 V	300 V

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

EAC

cULus Recognized • 91 us

Accessories

Accessories

Bridge

Insertion bridge - EBP 2- 5 - 1733169



Insertion bridge, fully insulated, for connectors with 5.0 or 5.08 mm pitch, no. of positions: 2

Labeled terminal marker

Marker card - SK 5/3,8:FORTL.ZAHLEN - 0804183



Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type: Adhesive, for terminal block width: 5 mm, Lettering field: 5 x 3.8 mm

Screwdriver tools



Accessories

Screwdriver - SZS 0,6X3,5 - 1205053



Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: $0.6 \times 3.5 \times 100$ mm, 2-component grip, with non-slip grip

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