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PCB terminal block, Nominal current: 32 A, Nom. voltage: 630 V, Pitch: 6.35 mm, Number of positions: 2, 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!

Product Features

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













Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	4 017918 024994
Weight per Piece (excluding packing)	5.85 g
Custom tariff number	85369010
Country of origin	Poland

Technical data

Dimensions

Length	18.5 mm
Pitch	6.35 mm
Dimension a	6.35 mm
Constructional height	22 mm
Length of the solder pin	5 mm



Technical data

Dimensions

Pin dimensions	0,9 x 0,9 mm
Hole diameter	1.3 mm

General

Insulating material group I Rated surge voltage (III/3) 6 kV Rated surge voltage (III/2) 6 kV Rated surge voltage (III/2) 6 kV Rated voltage (III/2) 6 kV Rated voltage (III/2) 630 V Rated voltage (III/2) 1000 V Connection in acc. with standard EN-VDE Nominal current I _N 32 A Nominal cross section 4 mm² Maximum load current PA Solder pin surface Sn Flammability rating according to UL 94 V2 Internal cylindrical gage A4 Stripping length 8 mm Number of positions 2		014/00 5
Rated surge voltage (III/2) 6 kV Rated surge voltage (III/2) 6 kV Rated surge voltage (III/2) 6 kV Rated voltage (III/2) 500 V Rated voltage (III/2) 630 V Rated voltage (III/2) 1000 V Connection in acc. with standard EN-VDE Nominal current I _N 32 A Nominal cross section 4 mm² Maximum load current 32 A Insulating material PA Solder pin surface Sn Flammability rating according to UL 94 V2 Internal cylindrical gage A4 Stripping length 8 mm Number of positions 2 Screw thread M3 Tightening torque, min 0.5 Nm	Range of articles	SMKDS 5
Rated surge voltage (III/2) 6 kV Rated surge voltage (III/2) 500 V Rated voltage (III/2) 630 V Rated voltage (III/2) 1000 V Connection in acc. with standard EN-VDE Nominal current I _N 32 A Nominal cross section 4 mm² Maximum load current 32 A Insulating material PA Solder pin surface Sn Flammability rating according to UL 94 V2 Internal cylindrical gage A4 Stripping length 8 mm Number of positions 2 Screw thread M3 Tightening torque, min 0.5 Nm	Insulating material group	1
Rated surge voltage (III/2) Rated voltage (III/2) Romection in acc. with standard EN-VDE Nominal current I _N 32 A Nominal cross section 4 mm² Maximum load current 32 A Insulating material PA Solder pin surface Flammability rating according to UL 94 Internal cylindrical gage A4 Stripping length Number of positions 2 Screw thread M3 Tightening torque, min 630 V 6 kV 6 kV 6 kV 6 kV 6 kV 630 V 680 V	Rated surge voltage (III/3)	6 kV
Rated voltage (III/2) 500 V Rated voltage (III/2) 1000 V Connection in acc. with standard EN-VDE Nominal current I _N 32 A Nominal cross section 4 mm² Maximum load current I _N 32 A Insulating material PA Solder pin surface Sn Flammability rating according to UL 94 Internal cylindrical gage A4 Stripping length 8 mm Number of positions 2 Screw thread M3 Tightening torque, min 500 V 1000 V EN-VDE 1000 V EN-VDE 32 A 94 Sol PA 94 Sol PA 95 Sol PA 96 Sol PA 97 Sol PA 98 Sol PA 98 Sol PA 99 Sol PA 90 Sol P	Rated surge voltage (III/2)	6 kV
Rated voltage (III/2) Rated voltage (III/2) Rated voltage (III/2) Connection in acc. with standard EN-VDE Nominal current I _N 32 A Nominal cross section 4 mm² Maximum load current Insulating material PA Solder pin surface Sin Flammability rating according to UL 94 V2 Internal cylindrical gage A4 Stripping length 8 mm Number of positions 2 Screw thread M3 Tightening torque, min 630 V 630 V 640 V 650 V	Rated surge voltage (II/2)	6 kV
Rated voltage (II/2) Connection in acc. with standard EN-VDE Nominal current I _N 32 A Nominal cross section 4 mm² Maximum load current Insulating material PA Solder pin surface Sin Flammability rating according to UL 94 Internal cylindrical gage A4 Stripping length Number of positions 2 Screw thread M3 Tightening torque, min 1000 V 1	Rated voltage (III/3)	500 V
Connection in acc. with standard Nominal current I _N 32 A Nominal cross section 4 mm² Maximum load current 12 A Insulating material PA Solder pin surface Sn Flammability rating according to UL 94 V2 Internal cylindrical gage A4 Stripping length Number of positions 2 Screw thread M3 Tightening torque, min Remainded Tightening torque, min Remainded Tightening torque, min Remainded Tightening torque, min Serial Amm² Amm² Amm² Amm² Adm² Serial Call Call Call Call Call Call Call C	Rated voltage (III/2)	630 V
Nominal current I _N Nominal cross section 4 mm² Maximum load current 32 A Insulating material PA Solder pin surface Flammability rating according to UL 94 V2 Internal cylindrical gage A4 Stripping length Number of positions 2 Screw thread Tightening torque, min 32 A 4 mm² 4 mm² A mm² PA Solder pin surface Sn 4 V2 M3 M3 Tightening torque, min	Rated voltage (II/2)	1000 V
Nominal cross section 4 mm² Maximum load current 32 A Insulating material PA Solder pin surface Sn Flammability rating according to UL 94 V2 Internal cylindrical gage A4 Stripping length 8 mm Number of positions 2 Screw thread M3 Tightening torque, min 0.5 Nm	Connection in acc. with standard	EN-VDE
Maximum load current Insulating material PA Solder pin surface Sn Flammability rating according to UL 94 V2 Internal cylindrical gage A4 Stripping length Number of positions 2 Screw thread M3 Tightening torque, min 32 A 32 A 32 A 32 A 8 M Na Na Sn V2 Screw thread M3 0.5 Nm	Nominal current I _N	32 A
Insulating material PA Solder pin surface Sn Flammability rating according to UL 94 V2 Internal cylindrical gage A4 Stripping length 8 mm Number of positions 2 Screw thread M3 Tightening torque, min 0.5 Nm	Nominal cross section	4 mm²
Solder pin surface Flammability rating according to UL 94 V2 Internal cylindrical gage A4 Stripping length Number of positions 2 Screw thread M3 Tightening torque, min Sn V2 V2 M4 M3 Na Na Na Na Na Na Na Na Na N	Maximum load current	32 A
Flammability rating according to UL 94 Internal cylindrical gage A4 Stripping length Number of positions 2 Screw thread M3 Tightening torque, min V2 V2 M4 M4 Smm M3 Continuous M3 Contin	Insulating material	PA
Internal cylindrical gage A4 Stripping length 8 mm Number of positions 2 Screw thread M3 Tightening torque, min 0.5 Nm	Solder pin surface	Sn
Stripping length 8 mm Number of positions 2 Screw thread M3 Tightening torque, min 0.5 Nm	Flammability rating according to UL 94	V2
Number of positions 2 Screw thread M3 Tightening torque, min 0.5 Nm	Internal cylindrical gage	A4
Screw thread M3 Tightening torque, min 0.5 Nm	Stripping length	8 mm
Tightening torque, min 0.5 Nm	Number of positions	2
	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.	6 mm²
Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	4 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	4 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	4 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	10
2 conductors with same cross section, solid min.	0.2 mm²



Technical data

Connection data

2 conductors with same cross section, solid max.	1.5 mm²
2 conductors with same cross section, stranded min.	0.2 mm ²
2 conductors with same cross section, stranded max.	1.5 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.	0.75 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	2.5 mm ²

Standards and Regulations

Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V2

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

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Approvals CSA / UL Recognized / SEV / cUL Recognized / CCA / EAC / EAC / cULus Recognized Ex Approvals Approvals submitted Approval details CSA B	Approvals					
Example SEV cUL Recognized CCA EAC EAC CULus Recognized	Approvals	approvals				
Ex Approvals Approval submitted Approval details CSA	Approvals					
Approval details CSA B D mm²/AWG/kcmil 28-10 28-10 Nominal current IN 10 A 10 A Nominal voltage UN 300 V UL Recognized B D mm²/AWG/kcmil 30-10 Nominal current IN 30 A 10 A Nominal voltage UN 250 V 300 V	CSA / UL Recognized / SEV / cUL Re	ecognized / CCA / EAC / EAC / cl	JLus Recognized			
Approval details CSA B	Ex Approvals					
B	Approvals submitted					
B	Approval details					
Mominal current IN	CSA ®					
Nominal current IN		В		D		
Nominal voltage UN 300 V 300 V	mm²/AWG/kcmil	28-10		28-10		
UL Recognized	Nominal current IN	10 A		10 A		
B	Nominal voltage UN	300 V		300 V		
mm²/AWG/kcmil 30-10 Nominal current IN 30 A Nominal voltage UN 250 V SEV	UL Recognized S					
Nominal current IN 30 A 10 A Nominal voltage UN 250 V 300 V SEV			B D			
Nominal voltage UN 250 V 300 V SEV			30-10 30-10			
SEV						
	Nominal voltage UN	250 V	250 V			
mm²/AWG/kcmil 4	SEV					
	mm²/AWG/kcmil		4			
Nominal voltage UN 450 V						



Approvals

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

CCA			
mm²/AWG/kcmil	6		
Nominal voltage UN	500 V		

EAC		
LAO		

EAC



Accessories

Accessories

Labeled terminal marker

Marker card - SK 6,2/3,8:FORTL.ZAHLEN - 0804374



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: 6.2 mm, Lettering field: 6.2 x 3.8 mm

Screwdriver tools



Accessories

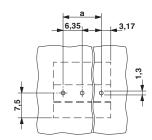
Screwdriver - SZS 0,6X3,5 - 1205053



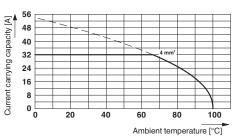
Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: $0.6 \times 3.5 \times 100$ mm, 2-component grip, with non-slip grip

Drawings

Drilling diagram



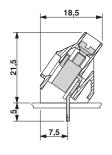
Diagram

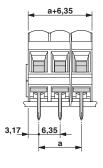


Type: SMKDS 5/2-6,35 and SMKDS 5/3-6,35 Test following DIN EN 60512-5-2:2003-01

Reduction factor = 1 No. of positions: 5

Dimensional drawing





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