

## PCB terminal block - SMKDS 5/ 2-6,35 - 1720033

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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, Mounting: Soldering, Conductor/PCB connection direction: 35 °, Color: green, The article can be aligned to create different nos. of positions!

### Why buy this product

- Conductor connection direction angled to the PCB (35°)
- PCB terminal blocks with screw connection, up to 6 mm<sup>2</sup> conductor cross section



### Key Commercial Data

Packing unit	50 pc
Minimum order quantity	50 pc
GTIN	 4 017918 024994
Weight per Piece (excluding packing)	5.74 g
Custom tariff number	85369010
Country of origin	Poland
Product key	AABBAA

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

#### General

Range of articles	SMKDS 5
Insulating material group	I
Rated surge voltage (III/3)	6 kV

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## Technical data

### General

Rated surge voltage (III/2)	6 kV
Rated surge voltage (II/2)	6 kV
Rated voltage (III/3)	500 V
Rated voltage (III/2)	630 V
Rated voltage (II/2)	1000 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	32 A
Nominal cross section	4 mm <sup>2</sup>
Maximum load current	32 A
Insulating material	PA
Solder pin surface	Sn
Inflammability class 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
Tightening torque max	0.6 Nm

### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	6 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	4 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	4 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	4 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	10
2 conductors with same cross section, solid min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, solid max.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	1.5 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.	2.5 mm <sup>2</sup>

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## 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

### 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

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#### Approvals

CSA / UL Recognized / SEV / cUL Recognized / CCA / EAC / 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	28-10	28-10
Nominal current I <sub>N</sub>	10 A	10 A


## PCB terminal block - SMKDS 5/ 2-6,35 - 1720033

### Approvals

	B	D
Nominal voltage UN	300 V	300 V


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

SEV	
mm <sup>2</sup> /AWG/kcmil	4
Nominal voltage UN	450 V

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

CCA	
mm <sup>2</sup> /AWG/kcmil	6
Nominal voltage UN	500 V

EAC
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cULus Recognized 		
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### Accessories

Accessories

Labeled terminal marker

# PCB terminal block - SMKDS 5/ 2-6,35 - 1720033

## Accessories

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

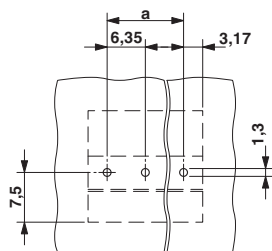
Screwdriver - SZS 0,6X3,5 - 1205053



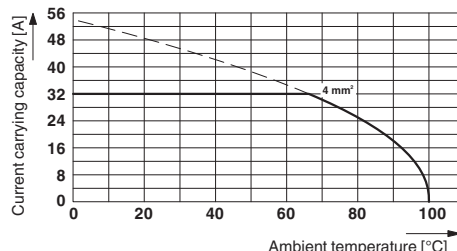
Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

## Drawings

Drilling diagram

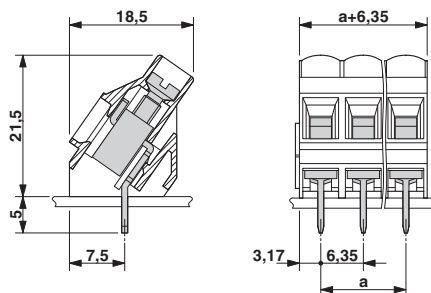


Diagram



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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