

## PCB terminal block - SMKDS 5/ 3-6,35 - 1720046

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



PC terminal block, Nominal current: 32 A, Nom. voltage: 630 V, Pitch: 6.35 mm, Number of positions: 3, 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	1
Minimum order quantity	1
Catalog page	Page 367 (CC-2011)
GTIN	 4 017918 025007
Custom tariff number	85369010
Country of origin	POLAND

### Technical data

#### Dimensions / positions

Length	18.5 mm
Pitch	6.35 mm
Dimension a	12.7 mm
Number of positions	3
Pin dimensions	0,9 x 0,9 mm
Hole diameter	1.3 mm
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

#### Technical data

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

# PCB terminal block - SMKDS 5/ 3-6,35 - 1720046

## Technical data

### Technical data

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
Inflammability class according to UL 94	V2
Internal cylindrical gage	A4
Stripping length	8 mm
Nominal voltage, UL/CUL Use Group B	250 V
Nominal current, UL/CUL Use Group B	30 A
Nominal voltage, UL/CUL Use Group D	300 V
Nominal current, UL/CUL Use Group D	10 A

### 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 stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	4 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	4 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	4 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil 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>
Minimum AWG according to UL/CUL	30

# PCB terminal block - SMKDS 5/ 3-6,35 - 1720046

## Technical data

### Connection data

Maximum AWG according to UL/CUL	10
---------------------------------	----

## Classifications

### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002643
ETIM 5.0	EC002643

### UNSPSC

UNSPSC 11	39121432
UNSPSC 12.01	39121432
UNSPSC 13.2	39121432
UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432

### 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

## Approvals

### Approvals

---

#### Approvals

CSA / UL Recognized / SEV / cUL Recognized / GOST / CCA / GOST / cULus Recognized

---

#### Ex Approvals

---

#### Approvals submitted

---

### Approval details

# PCB terminal block - SMKDS 5/ 3-6,35 - 1720046

## Approvals

CSA

	B	D
mm <sup>2</sup> /AWG/kcmil	28-10	28-10
Nominal current IN	10 A	10 A
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

GOST

CCA

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

GOST

# PCB terminal block - SMKDS 5/ 3-6,35 - 1720046

## Approvals

cULus Recognized

## Accessories

Accessories

Marking

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



Marker cards, 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

## Tools

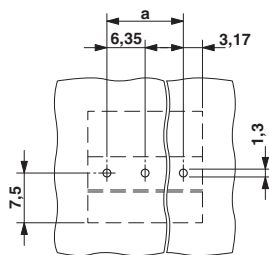
Screwdriver - SZS 0,6X3,5 - 1205053



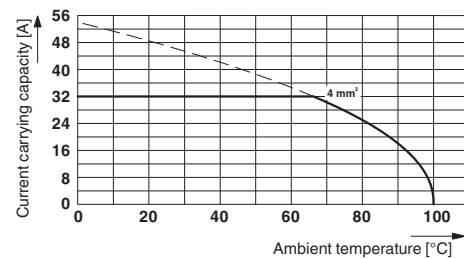
Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

## Drawings

Drilling diagram



Diagram



Type: SMKDS 5/2-6,35 and SMKDS 5/3-6,35

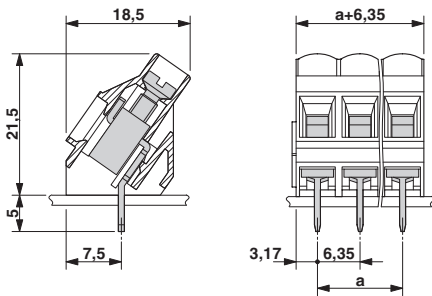
Test following DIN EN 60512-5-2:2003-01

Reduction factor = 1

No. of positions: 5

# PCB terminal block - SMKDS 5/ 3-6,35 - 1720046

Dimensioned drawing



© Phoenix Contact 2012 - all rights reserved  
<http://www.phoenixcontact.com>