

## PCB terminal block - KDS BU - 1701094

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>)



PCB terminal block, Nominal current: 17.5 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 1, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: blue, The article can be aligned to create different nos. of positions!

The illustration shows a combination as a 15-position version, in green



### Key commercial data

Packing unit	1 pc
GTIN	 4 017918 022976
Weight per Piece (excluding packing)	2.45 GRM
Custom tariff number	85369010
Country of origin	Poland

### Technical data

#### Dimensions

Length	18.6 mm
Pitch	5 mm
Pin dimensions	1,1 x 0,8 mm
Hole diameter	1.4 mm

#### General

Range of articles	KDS
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

# PCB terminal block - KDS BU - 1701094

## Technical data

### General

Rated voltage (III/2)	400 V
Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	17.5 A
Nominal cross section	1.5 mm <sup>2</sup>
Maximum load current	24 A (with 2.5 mm <sup>2</sup> conductor cross section)
Insulating material	PA
Solder pin surface	Sn
Inflammability class according to UL 94	V2
Stripping length	10 mm
Number of positions	1
Screw thread	M2,6
Tightening torque, min	0.4 Nm
Tightening torque max	0.5 Nm

### Connection data

Conductor cross section solid min.	0.14 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section stranded min.	0.14 mm <sup>2</sup>
Conductor cross section stranded max.	1.5 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.	1 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.	1 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	14
2 conductors with same cross section, solid min.	0.14 mm <sup>2</sup>
2 conductors with same cross section, solid max.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.14 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	0.5 mm <sup>2</sup>
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	14

## Classifications

eCl@ss

eCl@ss 4.0	27141109
eCl@ss 4.1	27141109

# PCB terminal block - KDS BU - 1701094

## Classifications

### eCl@ss

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

---

#### Approvals

CSA / UL Recognized / SEV / GOST / CCA

---

#### Ex Approvals

---

#### Approvals submitted

---

### Approval details

CSA		
	B	C
mm <sup>2</sup> /AWG/kcmil	24-12	24-12

# PCB terminal block - KDS BU - 1701094

## Approvals

	B	C
Nominal current IN	10 A	10 A
Nominal voltage UN	300 V	50 V

UL Recognized

	B	C
mm <sup>2</sup> /AWG/kcmil	30-14	30-14
Nominal current IN	15 A	15 A
Nominal voltage UN	250 V	50 V

SEV

mm <sup>2</sup> /AWG/kcmil	2.5
Nominal voltage UN	250 V

GOST

CCA

mm <sup>2</sup> /AWG/kcmil	2.5
Nominal voltage UN	250 V

## Accessories

### Accessories

### Bridge

Insertion bridge - EB 2- 5 - 1401158

Insertion bridge, Number of positions: 2, Color: gray



## PCB terminal block - KDS BU - 1701094

### Accessories

Insertion bridge - EB 3- 5 - 1401145



Insertion bridge, Number of positions: 3, Color: gray

---

### Labeled terminal marker

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



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: 5 mm, Lettering field: 5 x 3.8 mm

---

Marker pin Zack strip - BNB-ZB 5,LGS:FORTL.ZAHLEN - 1400201



Marker pin Zack strip, Strip, white, labeled, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 491 - 500, Mounting type: Plug in, For terminal block width: 5.2 mm, Lettering field: 4 x 4 mm

---

### Pitch spacer

PCB terminal block - RZ 2,5 - 1701052



Pitch spacer, raises the pitch by 2.5 mm, interlocks with terminal block of the same shape, color: green

---

### Screwdriver tools

## PCB terminal block - KDS BU - 1701094

### 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 x 3.5 x 100 mm, 2-component grip, with non-slip grip

---

### Test plug terminal block

Reducing plug - RPS - 0201647



Reducing plug, For test plugs, Color: gray

---

Test plugs - MPS-MT - 0201744



Test plugs, Color: silver

---

PCB terminal block - TP-KDS/GKDS - 1701793



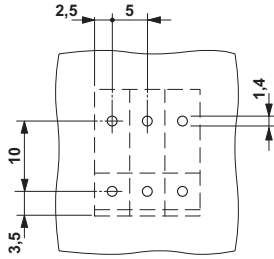
PCB terminal block, Number of positions: 1

---

### Drawings

## PCB terminal block - KDS BU - 1701094

Drilling diagram



Dimensioned drawing

