

## PCB terminal block - KDS BU - 1701094

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PCB terminal block, nominal current: 17.5 A, nom. voltage: 400 V, pitch: 5 mm, number of positions: 1, connection method: Screw connection, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: blue. The article can be aligned to create different nos. of positions!

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

### Why buy this product

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- Allows connection of two conductors
- Quick and convenient testing using integrated test option
- Two solder pins reduce the mechanical strain on the soldering spots
- The latching on the side enables various numbers of positions to be combined



### Key Commercial Data

Packing unit	1 STK
Minimum order quantity	50 STK
GTIN	 4 017918 022976
GTIN	4017918022976
Weight per Piece (excluding packing)	2.450 g
Custom tariff number	85369010
Country of origin	Poland

### Technical data

#### Dimensions

Length [ l ]	18.6 mm
Pitch	5 mm

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## Technical data

### Dimensions

Constructional height	14 mm
Solder pin [P]	4.9 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
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 a 2.5 mm <sup>2</sup> conductor cross section)
Insulating material	PA
Solder pin surface	Sn
Flammability rating 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 flexible min.	0.14 mm <sup>2</sup>
Conductor cross section flexible max.	1.5 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.	1 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.	1 mm <sup>2</sup>
Conductor cross section AWG min.	26
Conductor cross section AWG max.	14

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## Technical data

### Connection data

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>

### Standards and Regulations

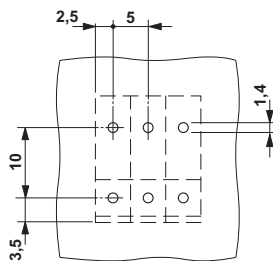
Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V2

### Environmental Product Compliance

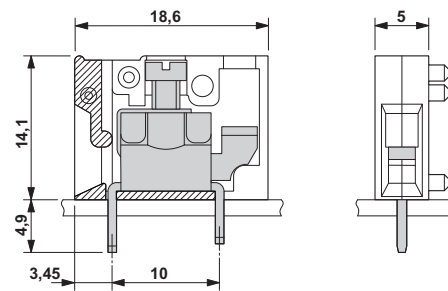
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

Drilling diagram



Dimensional drawing



## 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

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## Classifications

### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002643
ETIM 5.0	EC002643
ETIM 6.0	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 / CCA / EAC

#### Ex Approvals

### Approval details

CSA		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	13631
	B	C	
mm <sup>2</sup> /AWG/kcmil	24-12	24-12	
Nominal current I <sub>N</sub>	10 A	10 A	
Nominal voltage U <sub>N</sub>	300 V	50 V	

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 60425
	B	C	
mm <sup>2</sup> /AWG/kcmil	30-14	30-14	

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### Approvals

	B	C
Nominal current I <sub>N</sub>	15 A	15 A
Nominal voltage U <sub>N</sub>	250 V	50 V

SEV		<a href="https://www.electrosuisse.ch/en/meta/shop/product-certificates.html">https://www.electrosuisse.ch/en/meta/shop/product-certificates.html</a>	IK-3248
mm <sup>2</sup> /AWG/kcmil	2.5		
Nominal current I <sub>N</sub>	24 A		
Nominal voltage U <sub>N</sub>	250 V		

CCA	IK-3249		
mm <sup>2</sup> /AWG/kcmil	2.5		
Nominal voltage U <sub>N</sub>	250 V		

EAC		B.01742	
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### Accessories

#### Accessories

#### Insertion bridge

Insertion bridge - EB 2- 5 - 1401158

Insertion bridge, pitch: 5 mm, number of positions: 2, color: gray



Insertion bridge - EB 3- 5 - 1401145

Insertion bridge, pitch: 5 mm, number of positions: 3, color: gray



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### Accessories

#### 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 size: 5 x 3.8 mm

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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 mm, lettering field size: 4 x 4 mm

#### Pitch spacer

Pitch spacer - 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

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

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### Accessories

Reducing plug - RPS - 0201647



Reducing plug, color: gray

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Test plugs - MPS-MT - 0201744



Test plugs, with solder connection up to 1 mm<sup>2</sup> conductor cross section, color: silver

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PCB terminal block - TP-KDS/GKDS - 1701793



PCB terminal block, pitch: 0 mm, number of positions: 1

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