

Single PCB terminal block - KDS 2,5 - 1705016

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

The figure shows a 10-position version of the product

Why buy this product

- ✓ Modular design enables blocking for larger numbers of positions
- ✓ Two solder pins for a high level of stability on the PCB
- ✓ Voltage increased by means of pitch spacers
- ✓ Low-heat generating current transfer in the conductive path



Key commercial data

Packing unit	1
Minimum order quantity	1
Catalog page	Page 109 (CC-2011)
GTIN	 4 017918 023218
Custom tariff number	85369010
Country of origin	POLAND

Technical data

Dimensions / positions

Length	17.2 mm
Height	18 mm
Pitch	5 mm
Number of positions	1
Pin dimensions	1,1 x 0,7 mm
Hole diameter	1.4 mm
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

Technical data

Single PCB terminal block - KDS 2,5 - 1705016

Technical data

Technical data

Range of articles	KDS 2,5
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 IN	24 A
Nominal cross section	2.5 mm ²
Maximum load current	32 A (with 4 mm ² conductor cross section)
Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	A3
Stripping length	9 mm
Nominal voltage, UL/CUL Use Group B	250 V
Nominal current, UL/CUL Use Group B	15 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 ²
Conductor cross section solid max.	4 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	2.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	1.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
2 conductors with same cross section, solid min.	0.2 mm ²
2 conductors with same cross section, solid max.	1 mm ²
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.	0.5 mm ²

Single PCB terminal block - KDS 2,5 - 1705016

Technical data

Connection data

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.	1 mm ²
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	12

Classifications

eclass

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

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 / GOST

Ex Approvals

Approvals submitted

Approval details

Single PCB terminal block - KDS 2,5 - 1705016

Approvals

CSA 		
	B	D
mm ² /AWG/kcmil	24-12	24-12
Nominal current I _N	10 A	10 A
Nominal voltage U _N	300 V	300 V

UL Recognized 		
	B	D
mm ² /AWG/kcmil	30-12	30-12
Nominal current I _N	15 A	10 A
Nominal voltage U _N	250 V	300 V

SEV	
mm ² /AWG/kcmil	4
Nominal voltage U _N	250 V

GOST 	
--	--

CCA	
mm ² /AWG/kcmil	4
Nominal voltage U _N	250 V

GOST 	
--	--

Accessories

Accessories

Assembly

Single PCB terminal block - KDS 2,5 - 1705016

Accessories

PCB terminal block - RZ-KDS 2,5 - 1705029



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

PCB terminal block - TP-KDS/GKDS - 1701793



PCB terminal block

Bridges

Insertion bridge - EBL 2- 5 - 2303145



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

Insertion bridge - EBL 3- 5 - 2303158



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

Marking

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

Single PCB terminal block - KDS 2,5 - 1705016

Accessories

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: 4 x 4 mm

Plug/Adapter

Reducing plug - RPS - 0201647



Reducing plug, Color: gray

Test plugs - MPS-MT - 0201744



Test plugs

Tools

Screwdriver - SZS 0,6X3,5 - 1205053

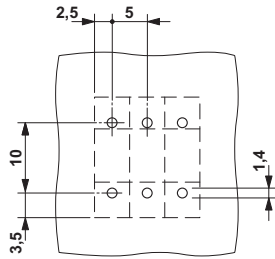


Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

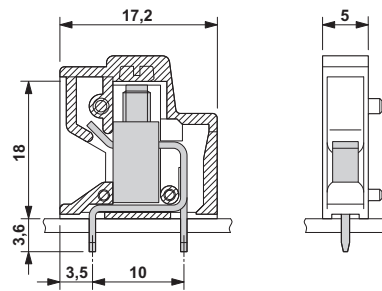
Drawings

Single PCB terminal block - KDS 2,5 - 1705016

Drilling diagram



Dimensioned drawing



Diagram

