PCB terminal block - KDS 3 - 1704004

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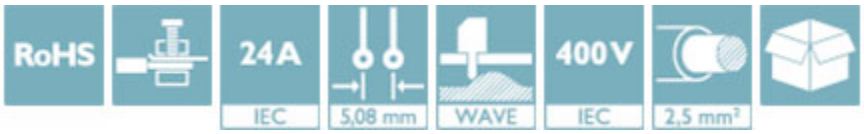
The illustration shows a combination as a 15-position version

PCB terminal block, Nominal current: 24 A, Nom. voltage: 400 V, Pitch: 5.08 mm, Number of positions: 1, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: green, The article can be aligned to create different nos. of positions!

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 023157
GTIN	4017918023157
Weight per Piece (excluding packing)	4.450 g
Custom tariff number	85369010
Country of origin	Poland

Technical data

Dimensions

Length	27 mm
Pitch	5.08 mm

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Technical data

Dimensions

Constructional height	25 mm
Length of the solder pin	3.5 mm
Pin dimensions	1,1 x 0,8 mm
Hole diameter	1.4 mm

General

Range of articles	KDS 3
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)	320 V
Rated voltage (III/2)	400 V
Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	24 A
Nominal cross section	2.5 mm²
Maximum load current	32 A (with 4 mm² conductor cross section)
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Internal cylindrical gage	A3
Stripping length	8 mm
Number of positions	1
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

Connection data

Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	4 mm²
Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	2.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	1.5 mm²
Conductor cross section AWG min.	24

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Technical data

Connection data

Conductor cross section AWG max.	12
2 conductors with same cross section, solid min.	0.2 mm²
2 conductors with same cross section, solid max.	1 mm²
2 conductors with same cross section, stranded min.	0.2 mm²
2 conductors with same cross section, stranded max.	1 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.75 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1 mm²

Standards and Regulations

Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration”

Approvals

Approvals

Approvals

CSA / UL Recognized / SEV / RS / CCA / EAC

Ex Approvals

Approval details

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Approvals

CSA		http://www.csagroup.org/services/testing-and-certification/certified-product-listing/	13631

mm²/AWG/kcmil	24-12
Nominal current IN	10 A
Nominal voltage UN	300 V

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425

	B	D
mm²/AWG/kcmil	28-12	28-12
Nominal current IN	15 A	10 A
Nominal voltage UN	250 V	300 V

SEV		https://www.electrosuisse.ch/en/meta/shop/product-certificates.html	IK-3248

mm²/AWG/kcmil	4
Nominal current IN	32 A
Nominal voltage UN	250 V

RS		http://www.rs-head.spb.ru/en/index.php	10.04059.250

CCA			IK-3249

mm²/AWG/kcmil	4
Nominal voltage UN	250 V

EAC		B.01742