PCB terminal block - KDS10 - 1704020

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The figure shows a 5-pos. version of the product

PCB terminal block, Nominal current: 76 A, Nom. voltage: 320 V, Pitch: 10 mm, Number of positions: 1, Connection method: Screw connection, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: green, The article can be aligned to create different nos. of positions!

Product Features

- Potential distribution by means of bridges
- High-capacity PCB terminal blocks with a current carrying capacity of up to 76 A at the solder connection
- Individual adjustment of voltage requirements using RZ pitch spacers
- Can also be used as a feed-through terminal block up to 76 A

Key Commercial Data

Packing unit	1 pc
GTIN	4 017918 023164
Weight per Piece (excluding packing)	17.06 g
Custom tariff number	85369010
Country of origin	Germany

Technical data

Dimensions

Length	36.8 mm
Pitch	10.00 mm
Constructional height	29 mm
Length of the solder pin	4.3 mm
Pin dimensions	1 x 0,9 mm

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Technical data

Dimensions

Hole diameter	1.4 mm

General

Range of articles	KDS10
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)	320 V
Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	76 A
Nominal cross section	10 mm²
Maximum load current	76 A (with 16 mm² conductor cross section)
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Internal cylindrical gage	B6
Stripping length	12 mm
Number of positions	1
Screw thread	M4
Tightening torque, min	1.2 Nm
Tightening torque max	1.5 Nm

Connection data

Conductor cross section solid min.	0.5 mm²
Conductor cross section solid max.	16 mm²
Conductor cross section flexible min.	0.5 mm²
Conductor cross section flexible max.	10 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	10 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	10 mm²
Conductor cross section AWG min.	20
Conductor cross section AWG max.	6
2 conductors with same cross section, solid min.	0.5 mm²
2 conductors with same cross section, solid max.	4 mm²

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Technical data

Connection data

2 conductors with same cross section, stranded min.	0.5 mm²
2 conductors with same cross section, stranded max.	4 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	2.5 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.	6 mm²

Standards and Regulations

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

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

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

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Approvals

Approvals

Approvals

CSA / UL Recognized / SEV / cUL Recognized / GL / RS / CCA / EAC / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

CSA

	B	C
mm²/AWG/kcmil	18-6	18-6
Nominal current IN	65 A	65 A
Nominal voltage UN	300 V	300 V

UL Recognized

	B	C	D
mm²/AWG/kcmil	24-6	24-6	24-6
Nominal current IN	65 A	65 A	5 A
Nominal voltage UN	250 V	300 V	600 V

SEV

mm²/AWG/kcmil	16
Nominal voltage UN	400 V

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Approvals

cUL Recognized

	B	C	D
mm²/AWG/kcmil	24-6	24-6	24-6
Nominal current IN	65 A	65 A	5 A
Nominal voltage UN	250 V	300 V	600 V

GL

RS

CCA

mm²/AWG/kcmil	16
Nominal voltage UN	400 V

EAC

EAC

cULus Recognized

Accessories

Accessories

Labeled terminal marker

Zack marker strip - ZB10,LGS:FORTL.ZAHLEN - 1053014

Zack marker strip, Strip, white, labeled, can be labeled with: Plotter, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 991 - 1000, Mounting type: Snap into tall marker groove, for terminal block width: 10.2 mm, Lettering field: 10.15 x 10.5 mm

Pitch spacer

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Accessories

Pitch spacer - RZ-KDS10 - 1701065

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

Screw bridge

Fixed bridge - FBI 10-10 - 0203276

Fixed bridge, Number of positions: 10, Color: silver

Screwdriver tools

Screwdriver - SZS 1,0X4,0 VDE - 1205066

Screwdriver, slot-headed, VDE insulated, size: 1.0 x 4.0 x 100 mm, 2-component grip, with non-slip grip

Test socket

Female test connector - PSB 4/7/6 - 0303299

Female test connector, Color: silver

Drawings

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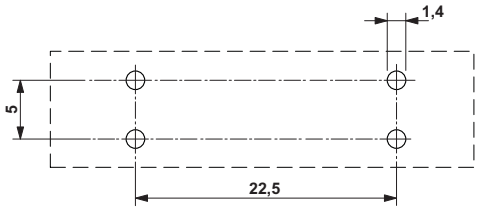
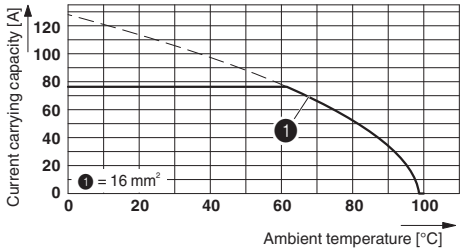
Drilling diagram

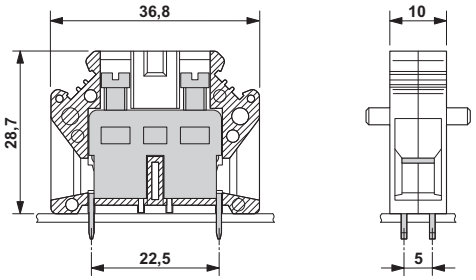


Diagram



Type: KDS 10
Test following DIN EN 60512-5-2:2003-01
Reduction factor = 1
No. of positions: 5

Dimensional drawing



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