

PCB terminal block - KDS10/SO - 1704059

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PCB terminal block, Nominal current: 76 A, Nom. voltage: 630 V, Pitch: 10 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 5-pos. version of the product

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

package_quantity	50
GTIN	4017918023188

Technical data

Dimensions

Length	36.8 mm
Pitch	10 mm
Pin dimensions	1 x 0,9 mm
Hole diameter	1.4 mm

General

Range of articles	KDS10
Insulating material group	I
Rated surge voltage (III/3)	6 kV
Rated surge voltage (III/2)	6 kV
Rated surge voltage (II/2)	6 kV
Rated voltage (III/3)	630 V
Rated voltage (III/2)	630 V
Rated voltage (II/2)	1000 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	76 A
Nominal cross section	10 mm ²
Maximum load current	76 A (with 16 mm ² conductor cross section)
Insulating material	PA

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Technical data

General

Solder pin surface	Sn
Inflammability class according to UL 94	V0
Internal cylindrical gage	B 6
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 mm ²
Conductor cross section solid max.	16 mm ²
Conductor cross section stranded min.	0.5 mm ²
Conductor cross section stranded max.	10 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.5 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	10 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	10 mm ²
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	6
2 conductors with same cross section, solid min.	0.5 mm ²
2 conductors with same cross section, solid max.	4 mm ²
2 conductors with same cross section, stranded min.	0.5 mm ²
2 conductors with same cross section, stranded max.	4 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	2.5 mm ²
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.	6 mm ²
Minimum AWG according to UL/CUL	24
Maximum AWG according to UL/CUL	6

classifications

eCl@ss

eCl@ss 4.0	27141109
eCl@ss 4.1	27141109
eCl@ss 5.0	27141190

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classifications

eCl@ss

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

CSA / UL Recognized / cUL Recognized / GOST / GL / GOST / cULus Recognized /

Approval details

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

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

			
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approvals

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

GOST 

GL



cULus Recognized  US

accessories

Pitch spacer

RZ-KDS10 - 1701065



Bridge

FBI 10-10 - 0203276



Test socket

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accessories

PSB 4/7/6 - 0303299



Screwdriver tools

SZS 1,0X4,0 VDE - 1205066



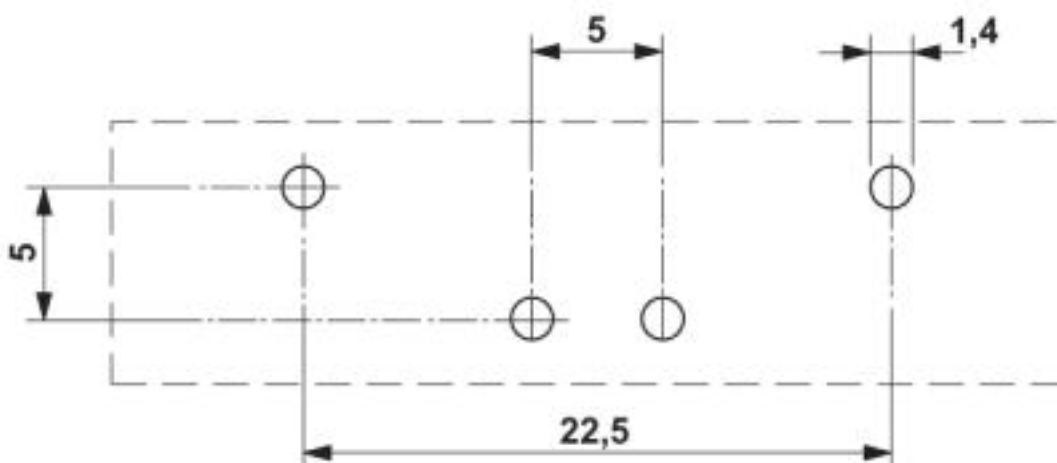
Labeled terminal marker

ZB10,LGS:FORTL.ZAHLEN - 1053014



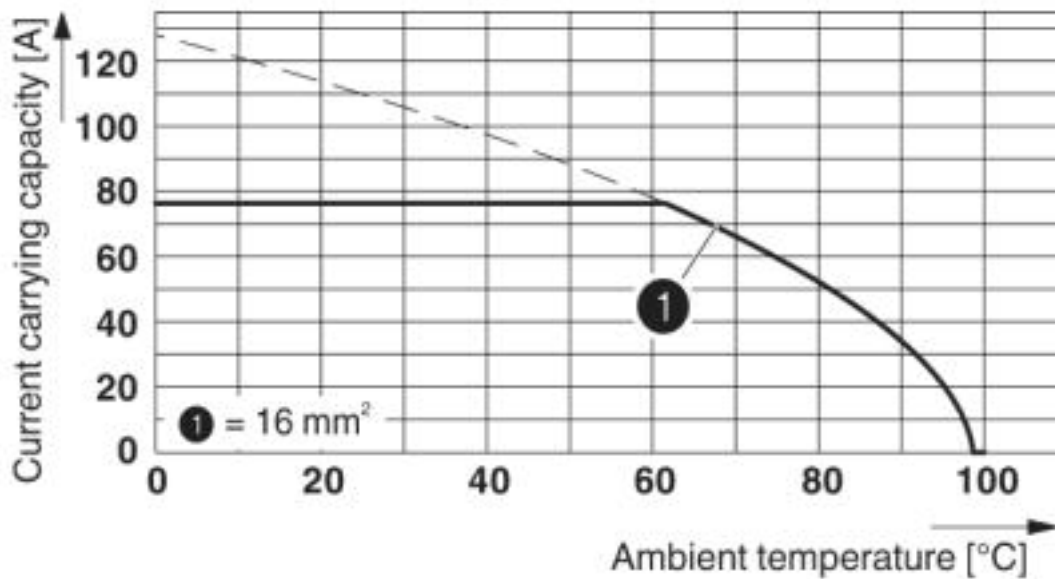
Drawings

Drilling diagram



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Diagram



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

Dimensioned drawing

