

## PCB terminal block - ZFKDS 10-10,00 - 1986628

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PCB terminal block, Nominal current: 76 A, Nom. voltage: 400 V, Pitch: 10 mm, Number of positions: 1, Connection method: Spring-cage connection, Mounting: Soldering, Conductor/PCB connection direction: 45 °, Color: green, The article can be aligned to create different nos. of positions!

The figure shows a 1-pos. version of the product

### Why buy this product

- Fully insulated bridges (FBSK) with different numbers of positions, e.g., for potential distribution
- Color coding of individual positions supported
- Integrated test connection
- 15 mm pitch for unlimited 600 V UL approval
- Optional mounting flange (FL) for safe mounting in the device
- PCB terminal blocks with spring-cage connection, up to 16 mm<sup>2</sup> conductor cross section



### Key commercial data

Packing unit	50 pc
GTIN	4 017918 973087
Weight per Piece (excluding packing)	9.7 g
Custom tariff number	85369010
Country of origin	Poland

### Technical data

#### Dimensions

Length	33.4 mm
Pitch	10 mm
Pin dimensions	1,2 x 1,4
Pin spacing	10 mm
Hole diameter	2.2 mm

#### General

Range of articles	ZFKDS(A) 10
Insulating material group	I

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## Technical data

### General

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)	800 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	76 A
Nominal cross section	10 mm <sup>2</sup>
Maximum load current	76 A
Insulating material	PA
Solder pin surface	Sn
Inflammability class according to UL 94	V0
Stripping length	12 mm
Number of positions	1

### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	16 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	16 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	10 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	10 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	6
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
eCl@ss 5.1	27141190
eCl@ss 6.0	27261101
eCl@ss 7.0	27440401
eCl@ss 8.0	27440401

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## Classifications

### 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

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#### Approvals

UL Recognized / cUL Recognized / GOST / GOST / cULus Recognized

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#### Ex Approvals


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#### Approvals submitted

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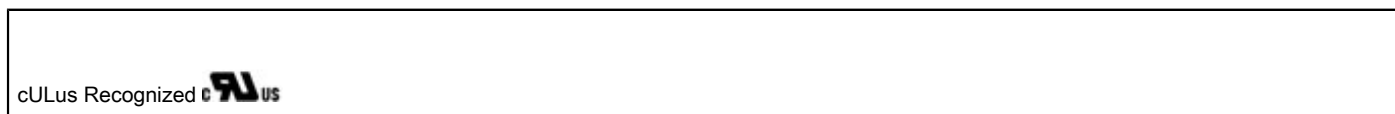
### Approval details

UL Recognized 			
	B	C	D
mm <sup>2</sup> /AWG/kcmil	24-6	24-6	24-6
Nominal current I <sub>N</sub>	65 A	65 A	10 A
Nominal voltage U <sub>N</sub>	300 V	150 V	300 V

cUL Recognized 			
	B	C	D
mm <sup>2</sup> /AWG/kcmil	24-6	24-6	24-6
Nominal current I <sub>N</sub>	65 A	65 A	10 A
Nominal voltage U <sub>N</sub>	300 V	150 V	300 V

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## Approvals



## Accessories

### Necessary add-on products

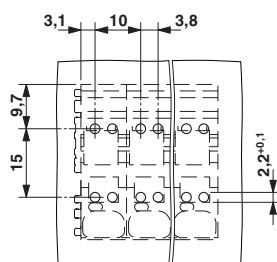
PCB terminal block - ZFKDSA 10-11,7 - 1987054



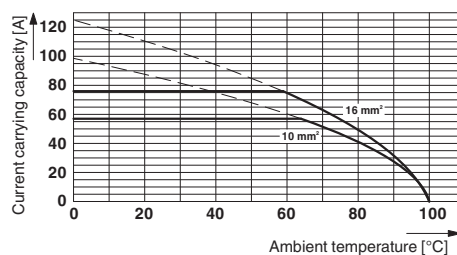
PCB terminal block, Nominal current: 76 A, Nom. voltage: 400 V, Pitch: 10 mm, Number of positions: 1, Connection method: Spring-cage connection, Mounting: Soldering, Conductor/PCB connection direction: 45 °, Color: green, The article can be aligned to create different nos. of positions!

## Drawings

Drilling diagram



Diagram



Type: ZFKDS 10-10,00 and ZFKDSA 10-11,7  
 Test following DIN EN 60512-5-2:2003-01  
 Reduction factor = 1  
 No. of positions: 5

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Dimensioned drawing

