

PCB terminal block - ZFKDS 10-10,00 GNYE - 1711747

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PCB terminal block, nominal current: 76 A, rated voltage (III/2): 400 V, nominal cross section: 10 mm², pitch: 10 mm, number of positions: 1, connection method: Spring-cage connection, mounting: Wave soldering, conductor/PCB connection direction: 45 °, color: green-yellow, Pin layout: Linear 2x2 pinning, Solder pin [P]: 6.5 mm

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

Your advantages

- ✓ Defined contact force ensures that contact remains stable over the long term
- ✓ Clamping space opened by means of fixed screwdriver enables convenient conductor connection
- ✓ Separate bridge shaft for easily connecting multiple positions to jumpers
- ✓ Quick and convenient testing using integrated test option



Key Commercial Data

Packing unit	50 pc
GTIN	
GTIN	4046356081023

Technical data

Item properties

Brief article description	PCB terminal block
Range of articles	ZFKDS(A) 10
Pitch	10 mm
Number of positions	1
Connection method	Spring-cage connection
Mounting type	Wave soldering
Pin layout	Linear 2x2 pinning
Number of levels	1
Number of connections	1
Number of potentials	1

Electrical parameters

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Technical data

Electrical parameters

Nominal current	76 A
Nom. voltage	400 V
Rated voltage	320 V
Rated voltage (III/2)	400 V
Rated voltage (II/2)	800 V
Rated surge voltage (III/3)	4 kV
Rated surge voltage (III/2)	4 kV
Rated surge voltage (II/2)	4 kV

Connection capacity

Connection method	Spring-cage connection
pluggable	no
Conductor cross section solid	0.2 mm ² ... 16 mm ²
Conductor cross section flexible	0.2 mm ² ... 16 mm ²
Conductor cross section AWG / kcmil	24 ... 6
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm ² ... 10 mm ²
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm ² ... 10 mm ²
Stripping length	12 mm

Material data - contact

Note	WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/ JEDEC JESD 201
Contact material	Cu alloy
Surface characteristics	hot-dip tin-plated
Metal surface terminal point (top layer)	Tin (10 - 16 µm Sn)
Metal surface soldering area (top layer)	Tin (10 - 16 µm Sn)

Material data - housing

Housing color	green-yellow (6021 / 1018)
Insulating material	PA
Insulating material group	I
CTI according to IEC 60112	600
Flammability rating according to UL 94	V0
Glow wire flammability index GWFI according to EN 60695-2-12	850
Glow wire ignition temperature GWIT according to EN 60695-2-13	775
Temperature for the ball pressure test according to EN 60695-10-2	125 °C

Dimensions for the product

Length [l]	33.4 mm
Width [w]	15 mm
Height [h]	33.5 mm
Pitch	10 mm
Height (without solder pin)	27 mm

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Technical data

Dimensions for the product

Solder pin [P]	6.5 mm
Pin spacing	10 mm
Pin dimensions	1.2 x 1.4 mm

Dimensions for PCB design

Hole diameter	2.2 mm
Pin spacing	10 mm

Packaging information

Type of packaging	packed in cardboard
Pieces per package	50
Denomination packing units	Pcs.

Electrical tests

Rated current	76 A
Conductor cross section	16 mm ²
Rated voltage (III/2)	400 V
Rated surge voltage (III/2)	4 kV

Standards and Regulations

Connection in acc. with standard	EN-VDE
	CUL

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Classifications

eCl@ss

eCl@ss 10.0.1	27440401
eCl@ss 4.0	27141100
eCl@ss 4.1	27141100
eCl@ss 5.0	27141100
eCl@ss 5.1	27261100
eCl@ss 6.0	27261100
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

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Classifications

ETIM

ETIM 6.0	EC002643
ETIM 7.0	EC002643

UNSPSC

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432
UNSPSC 11	39121432
UNSPSC 12.01	39121432
UNSPSC 13.2	39121432
UNSPSC 18.0	39121432
UNSPSC 19.0	39121432
UNSPSC 20.0	39121432
UNSPSC 21.0	39121432

Approvals


Approvals


Approvals

EAC / cULus Recognized

Ex Approvals

Approval details

EAC		B.01687
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-19941110
	B	C	D
Nominal voltage UN	300 V	150 V	300 V
Nominal current IN	65 A	65 A	10 A
mm ² /AWG/kcmil	24-6	24-6	24-6

Accessories

Accessories

Screwdriver tools

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Accessories

Screwdriver - SZF 3-1,0X5,5 - 1206612



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 1.0 x 5.5 x 150 mm, 2-component grip, with non-slip grip

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