PCB terminal block - ZFKDSA 4-7,5- 6 - 1934625

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PCB terminal block, nominal current: 32 A, rated voltage (III/2): 630 V, Nominal cross section: 4 mm², pitch: 7.5 mm, number of positions: 6, connection method: Spring-cage connection, mounting: Wave soldering, conductor/PCB connection direction: 45 °, color: green, Pin layout: Linear double pinning, Solder pin [P]: 4.6 mm

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	4 017918 900779
GTIN	4017918900779

Technical data

Item properties

Brief article description	PCB terminal block
Range of articles	ZFKDS(A) 4
Pitch	7.5 mm
Number of positions	6
Connection method	Spring-cage connection
Mounting type	Wave soldering
Pin layout	Linear double pinning
Number of levels	1
Number of connections	6
Number of potentials	6

Electrical parameters

Nom. voltage	630 V

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Technical data

Connection capacity

Connection method	Spring-cage connection
pluggable	Yes
Conductor cross section solid	0.2 mm² ... 6 mm²
Conductor cross section flexible	0.2 mm² ... 4 mm²
Conductor cross section AWG / kcmil	24 ... 10
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm² ... 4 mm²
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm² ... 4 mm²
Stripping length	10 mm

Material data - contact

Note	WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/ JEDEC JESD 201
Contact material	Cu alloy
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

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]	29 mm
Width [w]	46.5 mm
Height [h]	27.6 mm
Pitch	7.5 mm
Height (without solder pin)	23 mm
Solder pin [P]	4.6 mm
Pin dimensions	1 x 1.4 mm
Dimension a	37.5 mm

Dimensions for PCB design

Hole diameter	1.8 mm

Packaging information

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

Electrical tests

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Technical data

Electrical tests

Rated current	32 A
Conductor cross section	4 mm²
Rated voltage (III/2)	630 V
Rated surge voltage (III/2)	6 kV

Air clearances and creepage distances

Rated insulation voltage (III/3)	500 V
Rated insulation voltage (III/2)	630 V
Rated insulation voltage (II/2)	1000 V
Rated surge voltage (III/3)	6 kV
Rated surge voltage (III/2)	6 kV
Rated surge voltage (II/2)	6 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

Approvals

Approvals

Approvals

EAC / cULus Recognized

Ex Approvals

Approval details

EAC	EAC	B.01742

cULus Recognized	c UL us	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

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Approvals

	B	C	D
Nominal current IN	30 A	30 A	10 A
mm²/AWG/kcmil	24-10	24-10	24-10

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