PCB terminal block - ZFKDSA 10-16,7 - 1987067

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

PCB terminal block, nominal current: 76 A, rated voltage (III/2): 1000 V, nominal cross section: 10 mm², pitch: 15 mm, number of positions: 1, connection method: Spring-cage connection, mounting: Wave soldering, conductor/PCB connection direction: 45 °, color: green, Pin layout: Linear pinning, Solder pin [P]: 6.5 mm. The article can be aligned to create different nos. of positions!

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 973179
GTIN	4017918973179

Technical data

Item properties

Brief article description	PCB terminal block
Range of articles	ZFKDS(A) 10
Pitch	15 mm
Number of positions	1
Connection method	Spring-cage connection
Mounting type	Wave soldering
Pin layout	Linear 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	1000 V (800 V when using the plug-in bridge)
Rated voltage	1000 V
Rated voltage (III/2)	1000 V
Rated voltage (II/2)	1000 V
Rated surge voltage (III/3)	8 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (II/2)	8 kV

Connection capacity

Connection method	Spring-cage connection
pluggable	no
Conductor cross section solid	0.2 mm² ... 16 mm²
Conductor cross section flexible	0.2 mm² ... 16 mm²
Conductor cross section AWG / kcmil	24 ... 6
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm² ... 10 mm²
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm² ... 10 mm²
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 (6021)
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]	16.7 mm
Height [h]	33.5 mm
Pitch	15 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	15 mm
Pin dimensions	1.2 x 1.4 mm

Dimensions for PCB design

Hole diameter	2.2 mm
Pin spacing	15 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 mm²
Rated voltage (III/2)	1000 V
Rated surge voltage (III/2)	8 kV

Standards and Regulations

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

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

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Classifications

ETIM

ETIM 5.0	EC002643
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

IECEE CB Scheme / VDE Gutachten mit Fertigungsüberwachung / EAC / cULus Recognized

Ex Approvals

Approval details

IECEE CB Scheme	CB scheme	http://www.iecee.org/	DE-51235

Nominal voltage UN	1000 V
Nominal current IN	76 A
mm²/AWG/kcmil	0.2-16

VDE Gutachten mit Fertigungsüberwachung	VDE	http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40036082

Nominal voltage UN	1000 V
Nominal current IN	76 A

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Approvals

mm²/AWG/kcmil	0.2-16

EAC B.01687

cULus Recognized http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E60425-19941110

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

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