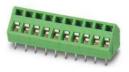
ZFKDSA 1,5C-5,0- 7 SO RD-GN - PCB terminal block



1991493

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PCB terminal block, nominal current: 16 A, rated voltage (III/2): 400 V, nominal cross section: 1.5 mm², number of potentials: 7, number of rows: 1, number of positions per row: 7, product range: ZFKDS(A) 1,5C, pitch: 5 mm, connection method: Spring-cage connection, mounting: Wave soldering, conductor/PCB connection direction: 45 °, color: multicolored, Pin layout: Linear pinning, Solder pin [P]: 3.5 mm, number of solder pins per potential: 2, type of packaging: packed in cardboard

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
- · Angled connection enables multi-row arrangement on the PCB
- · Actuation shafts that are parallel and orthogonal to the conductor axis enable flexible PCB designs
- · The latching on the side enables various numbers of positions to be combined
- · Two solder pins reduce the mechanical strain on the soldering spots

Commercial data

Item number	1991493
Packing unit	1 pc
Minimum order quantity	50 pc
Note	Made to order (non-returnable)
Sales key	AA12
Product key	AALMBC
GTIN	4017918959364
Weight per piece (including packing)	6.8 g
Weight per piece (excluding packing)	6.8 g
Customs tariff number	85369010
Country of origin	PL



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Technical data

Product properties

Туре	PC terminal block can be aligned
Product line	COMBICON Terminals S
Product type	Printed circuit board terminal
Product family	ZFKDS(A) 1,5C
Number of positions	7
Pitch	5 mm
Number of connections	7
Number of rows	1
Number of potentials	7
Pin layout	Linear pinning
Solder pins per potential	2

Electrical properties

Nominal current I _N	16 A
Nominal voltage U _N	400 V
Degree of pollution	3
Rated voltage (III/3)	250 V
Rated surge voltage (III/3)	4 kV
Rated voltage (III/2)	400 V
Rated surge voltage (III/2)	4 kV
Rated voltage (II/2)	630 V
Rated surge voltage (II/2)	4 kV

Connection data

Connection technology	
Туре	PC terminal block can be aligned
Nominal cross section	1.5 mm ²
Conductor connection	
Connection method	Spring-cage connection
Conductor cross section rigid	0.2 mm² 2.5 mm²
Conductor cross section flexible	0.2 mm² 1.5 mm²
Conductor cross section AWG	24 14
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm² 1.5 mm²
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm ² 1.5 mm ²
Stripping length	7 mm

Mounting

Mounting type	Wave soldering
Pin layout	Linear pinning

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Connection method	Spring-cage connection
erial specifications	
laterial 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)
Naterial data - housing	
Color (Housing)	multicolored ()
Insulating material	PA
Insulating material group	
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
Material data – actuating element	
Color (Actuating element)	multicolored ()
nensions	
Dimensional drawing	* La

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Pitch	5 mm
Width [w]	36 mm
Height [h]	16.25 mm
Length [I]	14.1 mm
Installed height	12.75 mm
Solder pin length [P]	3.5 mm
Pin dimensions	0.7 x 0.7 mm
PCP design	
PCB design	
Pin spacing	5.08 mm

Pin spacing	5.08 mm
Hole diameter	1.1 mm

Electrical tests



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Air clearances and creepage distances	
Insulating material group	1
Rated insulation voltage (III/3)	250 V
Rated surge voltage (III/3)	4 kV
Rated insulation voltage (III/2)	400 V
Rated surge voltage (III/2)	4 kV
Rated insulation voltage (II/2)	630 V
Rated surge voltage (II/2)	4 kV

Environmental and real-life conditions

Ambient conditions	
Ambient temperature (operation)	-40 °C 100 °C (Depending on the current carrying capacity/derating curve)
Ambient temperature (storage/transport)	-40 °C 70 °C
Relative humidity (storage/transport)	30 % 70 %
Ambient temperature (assembly)	-5 °C 100 °C

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Approvals

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Approval ID: B.01687

CULus Recogniz Approval ID: E60425	cULus Recognized Approval ID: E60425-19941110				
	Nominal voltage U_N	Nominal current I _N	Cross section AWG	Cross section mm ²	
Use group B					
	250 V	10 A	26 - 12	-	
Use group D					
	300 V	10 A	26 - 12	-	



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Classifications

ECLASS

ECLASS-12.0 274601	01
ECLASS-13.0 274601	01

ETIM

	ETIM 8.0	EC002643
U	NSPSC	
	UNSPSC 21.0	39121400



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Environmental product compliance

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

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