1722561

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PCB terminal block, nominal current: 32 A, rated voltage (III/2): 630 V, nominal cross section: 4 mm², number of potentials: 6, number of rows: 1, number of positions per row: 6, product range: ZFKDS(A) 4, pitch: 10 mm, connection method: Spring-cage connection, mounting: Wave soldering, conductor/PCB connection direction: 45 °, color: green, Pin layout: Linear pinning, Solder pin [P]: 4.6 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
- · Separate bridge shaft for easily connecting multiple positions to jumpers
- · Quick and convenient testing using integrated test option

Commercial data

Item number	1722561
Packing unit	50 pc
Minimum order quantity	50 pc
Note	Made to order (non-returnable)
Sales key	AA14
Product key	AANMAB
GTIN	4046356116510
Weight per piece (including packing)	32.07 g
Weight per piece (excluding packing)	32.07 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 L
Product type	Printed circuit board terminal
Product family	ZFKDS(A) 4
Number of positions	6
Pitch	10 mm
Number of connections	6
Number of rows	1
Number of potentials	6
Pin layout	Linear pinning
Solder pins per potential	2

Electrical properties

Nominal current I _N	32 A
Nominal voltage U _N	630 V
Degree of pollution	3
Rated voltage (III/3)	630 V
Rated surge voltage (III/3)	6 kV
Rated voltage (III/2)	630 V
Rated surge voltage (III/2)	6 kV
Rated voltage (II/2)	1000 V
Rated surge voltage (II/2)	6 kV

Connection data

Connection technology			
Туре	PC terminal block can be aligned		
Nominal cross section	4 mm ²		
Conductor connection			
Connection method	Spring-cage connection		
Conductor cross section rigid	0.2 mm ² 6 mm ²		
Conductor cross section flexible	0.2 mm ² 4 mm ²		
Conductor cross section AWG	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		

Mounting

Mounting type	Wave soldering
Pin layout	Linear pinning

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Material specifications

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

Color (Housing)	green (6021)
Insulating material	PA
Insulating material group	1
CTI according to IEC 60112	600
Flammability rating according to UL 94	VO
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) green (6021)

Dimensions

Dimensional drawing		
Pitch	10 mm	
Width [w]	61.5 mm	
Height [h]	27.6 mm	
Length [I]	29 mm	
Installed height	23 mm	
Solder pin length [P]	4.6 mm	
Pin dimensions	1 x 1.4 mm	
PCB design		
Hole diameter	1.8 mm	

Mechanical tests

Connection test		
Specification	IEC 60998-2-2:1991-10	

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Result	Test passed	
Test for conductor damage and slackening		
Specification	IEC 60998-2-2:1991-10	
Result	Test passed	
Pull-out test		
Specification	IEC 60998-2-2:1991-10	
Conductor cross section/conductor type/tractive force	0.2 mm² / solid / > 10 N	
setpoint/actual value	0.2 mm² / flexible / > 10 N	
	6 mm² / solid / > 80 N	

Electrical tests

Temperature-rise test		
Specification	IEC 60998-2-1:1990-04	
Requirement temperature-rise test	Increase in temperature ≤ 45 K	
Insulation resistance		
Specification	IEC 60998-2-2:1991-10	
Insulation resistance, neighboring positions	10 ⁹ Ω	
Air clearances and creepage distances		
Specification	IEC 60664-1:2007-04	
Insulating material group	1	
Comparative tracking index (IEC 60112)	CTI 600	
Rated insulation voltage (III/3)	630 V	
Rated surge voltage (III/3)	6 kV	
minimum clearance value - non-homogenous field (III/3)	5.5 mm	
minimum creepage distance (III/3)	8 mm	
Rated insulation voltage (III/2)	630 V	
Rated surge voltage (III/2)	6 kV	
minimum clearance value - non-homogenous field (III/2)	5.5 mm	
minimum creepage distance (III/2)	5.5 mm	
Rated insulation voltage (II/2)	1000 V	
Rated surge voltage (II/2)	6 kV	
minimum clearance value - non-homogenous field (II/2)	5.5 mm	
minimum creepage distance (II/2)	5.5 mm	

Environmental and real-life conditions

Vibration test		
Specification	IEC 60068-2-6:1995-03	
Frequency	10 - 150 - 10 Hz	
Sweep speed	1 octave/min	
Amplitude	0.35 mm (10 Hz 60.1 Hz)	



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weep speed	5g (60.1 Hz 150 Hz)
est duration per axis	2.5 h
v-wire test	
Specification	IEC 60998-2-2:1991-10
Temperature	850 °C
Time of exposure	5 s
bient conditions Ambient temperature (operation)	-40 °C 100 °C (Depending on the current carrying
	capacity/derating curve)
Ambient temperature (storage/transport)	capacity/derating curve) -40 °C 70 °C
Ambient temperature (storage/transport) Relative humidity (storage/transport)	

Packaging specifications

Type of packaging

packed in cardboard



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Classifications

ECLASS

ECLASS-12.0 27460101 ECLASS-13.0 27460101	ECLASS-11.0	27460101
ECLASS-13.0 27460101	ECLASS-12.0	27460101
	ECLASS-13.0	27460101

ETIM

	ETIM 9.0	EC002643			
U	UNSPSC				
	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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