

1722558

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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: 3, number of rows: 1, number of positions per row: 3, 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	1722558
Packing unit	50 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	AANMAB
GTIN	4046356116527
Weight per piece (including packing)	16.07 g
Weight per piece (excluding packing)	16.07 g
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	3
Pitch	10 mm
Number of connections	3
Number of rows	1
Number of potentials	3
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 mm²

Conductor connection

Connection method	Spring-cage connection
Conductor cross section rigid	0.2 mm² 6 mm²
Conductor cross section flexible	0.2 mm² 4 mm²
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

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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	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	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

Material data – actuating element

Color (Actuating element) green (6021)
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Dimensions

Dimensional drawing	n p
Pitch	10 mm
Width [w]	31.5 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 setpoint/actual value	0.2 mm² / solid / > 10 N
	0.2 mm² / flexible / > 10 N
	6 mm² / solid / > 80 N
	4 mm² / flexible / > 60 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 |

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Specification	IEC 60664-1:2007-04	
Insulating material group	I I	
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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Sweep speed	5g (60.1 Hz 150 Hz)
Test duration per axis	2.5 h
ow-wire test	
Specification	IEC 60998-2-2:1991-10
Temperature	850 °C
Time of exposure	5 s
mbient 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
ckaging specifications	
Type of packaging	packed in cardboard



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Classifications

UNSPSC 21.0

ECLASS

202.00		
	ECLASS-11.0	27460101
	ECLASS-12.0	27460101
	ECLASS-13.0	27460101
ETIM		
	ETIM 9.0	EC002643
UNSPSC		

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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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