

1904804

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PCB terminal block, nominal current: 12 A, rated voltage (III/2): 200 V, nominal cross section: 1 mm², number of potentials: 6, number of rows: 1, number of positions per row: 6, product range: ZFKDS(A) 1-V, pitch: 3.81 mm, connection method: Spring-cage connection, mounting: Wave soldering, conductor/PCB connection direction: 90 °, color: green, 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
- · Vertical connection enables multi-row arrangement on the PCB
- 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	1904804
Packing unit	50 pc
Minimum order quantity	50 pc
Note	Made to order (non-returnable)
Sales key	AA12
Product key	AALMAC
GTIN	4017918445973
Weight per piece (including packing)	7.25 g
Weight per piece (excluding packing)	7.25 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-V	
Number of positions	6	
Pitch	3.81 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	12 A
Nominal voltage U _N	200 V
Degree of pollution	3
Rated voltage (III/3)	200 V
Rated surge voltage (III/3)	2.5 kV
Rated voltage (III/2)	200 V
Rated surge voltage (III/2)	2.5 kV
Rated voltage (II/2)	400 V
Rated surge voltage (II/2)	2.5 kV

Connection data

Connection technology

Туре	PC terminal block can be aligned
Nominal cross section	1 mm²

Conductor connection

Connection method	Spring-cage connection
Conductor cross section rigid	0.14 mm² 1.5 mm²
Conductor cross section flexible	0.14 mm² 1 mm²
Conductor cross section AWG	26 16
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm² 0.5 mm²
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm² 0.5 mm²
Stripping length	7.5 mm

Mounting

Mounting type	Wave soldering
Pin layout	Linear pinning



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Connection method	Spring-cage connection	
erial specifications		
aterial 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)	
aterial 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	
aterial data – actuating element		
Color (Actuating element)	green (6021)	
nensions		
Dimensional drawing		
Differsional drawing	h	
Pitch	3.81 mm	
Height [h]	18.75 mm	
Length [I]	15.9 mm	
Installed height	15.25 mm	
Solder pin length [P]	3.5 mm	
Pin dimensions	0.8 x 0.8 mm	

Electrical tests

Hole diameter

Air clearances and creepage distances	
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Specification	IEC 60664-1:2007-04
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1.2 mm



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Insulating material group	I
Comparative tracking index (IEC 60112)	CTI 600
Rated insulation voltage (III/3)	200 V
Rated surge voltage (III/3)	2.5 kV
minimum clearance value - non-homogenous field (III/3)	1.5 mm
minimum creepage distance (III/3)	2.5 mm
Rated insulation voltage (III/2)	200 V
Rated surge voltage (III/2)	2.5 kV
minimum clearance value - non-homogenous field (III/2)	1.5 mm
minimum creepage distance (III/2)	1.5 mm
Rated insulation voltage (II/2)	400 V
Rated surge voltage (II/2)	2.5 kV
minimum clearance value - non-homogenous field (II/2)	1.5 mm
minimum creepage distance (II/2)	2 mm

Packaging specifications

Type of packaging	packed in cardboard	



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Approvals

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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 - 16	-
Use group D				
	300 V	10 A	26 - 16	-



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Classifications

UNSPSC 21.0

ECLASS

E	CLASS-11.0	27460101
E	CLASS-12.0	27460101
E	CLASS-13.0	27460101
ETIM		
E.	TIM 9.0	EC002643
UNSPSC		

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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