

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	1 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	1
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

Material data – actuating element

Color (Actuating element)

Dimensional drawing	h ph
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

green (6021)

Electrical tests

Air clearances and creepage distances |

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Specification	IEC 60664-1:2007-04
Insulating material group	
Comparative tracking index (IEC 60112)	CTI 600



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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
Type of packaging	packed in cardboard



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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1904804



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

ECLASS-11.0	27460101
ECLASS-12.0	27460101
ECLASS-13.0	27460101
ETIM	
ETIM 8.0	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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