1932876

https://www.phoenixcontact.com/pc/products/1932876



Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



PCB terminal block, nominal current: 12 A, rated voltage (III/2): 200 V, nominal cross section: 1 mm², number of potentials: 12, number of rows: 1, number of positions per row: 12, product range: ZFKDS(A) 1, pitch: 3.81 mm, connection method: Spring-cage connection, mounting: Wave soldering, conductor/PCB connection direction: 45 °, 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
- · Angled 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	1932876
Packing unit	50 рс
Minimum order quantity	1 pc
Product key	AALMAA
GTIN	4017918880101
Weight per piece (including packing)	10.839 g
Weight per piece (excluding packing)	10.8 g
Customs tariff number	85369010
Country of origin	PL



https://www.phoenixcontact.com/pc/products/1932876

Technical data

Product properties

Product type	Printed circuit board terminal
Product family	ZFKDS(A) 1
Product line	COMBICON Terminals S
Туре	PC terminal block can be aligned
Number of positions	12
Pitch	3.81 mm
Number of connections	12
Number of rows	1
Number of potentials	12
Pin layout	Linear pinning
Solder pins per potential	2
Data management status	
Article revision	00
ctrical properties	
Nominal current I _N	12 A
Nominal voltage LI	200 \/

Nominal voltage U _N	200 V
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 mm ² 1.5 mm ²
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 mm ² 0.5 mm ²
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm² 0.5 mm²
Stripping length	7.5 mm

Mounting

PHŒNIX CONTACT

1932876

https://www.phoenixcontact.com/pc/products/1932876

Mounting type	Wave soldering
Pin layout	Linear pinning

Material specifications

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	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)

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	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

green (6021)

Material data - actuating element

Color (Actuating element)

Dimensions

Dimensional drawing	h P
Pitch	3.81 mm
Width [w]	48.76 mm
Height [h]	18.5 mm
Length [I]	16.9 mm
Installed height	15 mm
Solder pin length [P]	3.5 mm
Pin dimensions	0.7 x 0.8 mm
PCB design	
Hole diameter	1.2 mm

Electrical tests

PHŒNIX CONTACT



1932876

https://www.phoenixcontact.com/pc/products/1932876

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)	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

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

Packaging specifications

Type of packaging

packed in cardboard



1932876

https://www.phoenixcontact.com/pc/products/1932876

Approvals

🌣 To download certificates, visit the product detail page: https://www.phoenixcontact.com/pc/products/1932876

CULus Recogni Approval ID: E60425				
	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	-

1932876

https://www.phoenixcontact.com/pc/products/1932876



Classifications

ECLASS

ECLASS-12.0 27460101	
ECLASS-13.0 27460101	

ETIM

	ETIM 9.0	EC002643	
UNSPSC			
	UNSPSC 21.0	39121400	

1932876

https://www.phoenixcontact.com/pc/products/1932876

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions		
China RoHS			
Environment friendly use period (EFUP)	EFUP-E		
	No hazardous substances above the limits		
EU REACH SVHC			
REACH candidate substance (CAS No.)	No substance above 0.1 wt%		

Phoenix Contact 2024 © - all rights reserved https://www.phoenixcontact.com

PHOENIX CONTACT GmbH & Co. KG Flachsmarktstraße 8 D-32825 Blomberg +49 (0) 5235-3 00 info@phoenixcontact.com

