

PCB terminal block - ZFKDSA 1,5-W-5,08- 7



1753815

<https://www.phoenixcontact.com/us/products/1753815>

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: 16 A, rated voltage (III/2): 400 V, nominal cross section: 1.5 mm², number of potentials: 7, number of rows: 1, number of positions per row: 7, product range: ZFKDS(A) 1,5-W, pitch: 5.08 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
- Can be operated without tools by means of color-coded actuating lever
- 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	1753815
Packing unit	1 pc
Minimum order quantity	50 pc
Note	Made to Order (non-returnable)
Sales Key	A01
Product Key	AALMBF
GTIN	4046356326926
Weight per Piece (including packing)	9.25 g
Weight per Piece (excluding packing)	8.775 g
Customs tariff number	85369010
Country of origin	GR

PCB terminal block - ZFKDSA 1,5-W-5,08- 7



1753815

<https://www.phoenixcontact.com/us/products/1753815>

Technical Data

Product properties

Product line	COMBICON Terminals S
Product type	Printed circuit board terminal
Number of positions	7
Pitch	5.08 mm
Number of connections	7
Number of rows	1
Number of potentials	7
Pin layout	Linear pinning
Solder pins per potential	2

Electrical properties

Nominal current I_N	16 A
Nominal voltage U_N	400 V
Degree of pollution	3
Rated voltage (III/3)	250 V
Rated surge voltage (III/3)	4 kV
Rated voltage (III/2)	400 V
Rated surge voltage (III/2)	4 kV

Connection data

Connection technology

Nominal cross section	1.5 mm ²
-----------------------	---------------------

Conductor connection

Connection method	Spring-cage connection
Conductor cross section solid	0.2 mm ² ... 2.5 mm ²
Conductor cross section flexible	0.2 mm ² ... 1.5 mm ²
Conductor cross section AWG	24 ... 14
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm ² ... 1.5 mm ²
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm ² ... 1.5 mm ²
Stripping length	7.5 mm

Mounting

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
------	--

PCB terminal block - ZFKDSA 1,5-W-5,08- 7



1753815

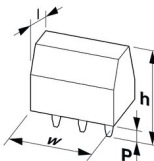
<https://www.phoenixcontact.com/us/products/1753815>

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

Housing color	green (RAL 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

Dimensions

Dimensional drawing	
Pitch	5.08 mm
Width [w]	40.64 mm
Height [h]	17.7 mm
Length [l]	16.85 mm
Installed height	14.2 mm
Solder pin length [P]	3.5 mm

Electrical tests

Air clearances and creepage distances |

Insulating material group	I
Rated insulation voltage (III/3)	250 V
Rated surge voltage (III/3)	4 kV
Rated insulation voltage (III/2)	400 V
Rated surge voltage (III/2)	4 kV
Rated insulation voltage (II/2)	630 V
Rated surge voltage (II/2)	4 kV

Packaging specifications

Type of packaging	packed in cardboard
-------------------	---------------------

PCB terminal block - ZFKDSA 1,5-W-5,08- 7

1753815

<https://www.phoenixcontact.com/us/products/1753815>



Approvals



EAC

Approval ID: B.01687

PCB terminal block - ZFKDSA 1,5-W-5,08- 7



1753815

<https://www.phoenixcontact.com/us/products/1753815>

Classifications

ECLASS

ECLASS-10.0.1	27440401
ECLASS-9.0	27440401
ECLASS-11.0	27460101

ETIM

ETIM 8.0	EC002643
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

PCB terminal block - ZFKDSA 1,5-W-5,08- 7



1753815

<https://www.phoenixcontact.com/us/products/1753815>

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Phoenix Contact 2022 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com