

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's documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)

PCB terminal block, nominal current: 16 A, nom. voltage: 630 V, pitch: 7.62 mm, number of positions: 9, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 45 $^{\circ}$, color: green



The figure shows an 10-position version

Your advantages

- ✓ Allows connection of two conductors
- Extremely small design for the respective conductor cross section
- The latching on the side enables various numbers of positions to be combined



Key Commercial Data

Packing unit	50 pc
GTIN	4 046356 803786
GTIN	4046356803786

Technical data

Item properties

Brief article description	PCB terminal block
Range of articles	GMKDSN 1,5
Pitch	7.62 mm
Number of positions	9
Connection method	Screw connection with tension sleeve
Drive form screw head	Slotted (L)
Screw thread	M3
Mounting type	Wave soldering
Pin layout	Linear pinning



Technical data

Item properties

Number of levels	1

Electrical parameters

Rated current	16 A
Rated insulation voltage (III/2)	630 V
Rated surge voltage (III/2)	6 kV

Connection capacity

Conductor cross section solid	0.14 mm² 1.5 mm²
Conductor cross section flexible	0.14 mm² 1.5 mm²
Conductor cross section AWG / kcmil	26 16
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm² 1.5 mm²
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm² 1.5 mm²
2 conductors with same cross section, solid	0.14 mm² 0.75 mm²
2 conductors with same cross section, flexible	0.14 mm² 0.75 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve	0.25 mm² 0.5 mm²
2 conductors with same cross section, stranded, with TWIN ferrules with plastic sleeve	0.5 mm² 1 mm²
Stripping length	6 mm
Torque	0.5 Nm 0.6 Nm

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 (5 - 7 µm Sn)
Metal surface terminal point (middle layer)	Nickel (2 - 3 µm Ni)
Metal surface soldering area (top layer)	Tin (5 - 7 µm Sn)
Metal surface soldering area (middle layer)	Nickel (2 - 3 µm Ni)

Material data - housing

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 for the product

I Cantion	Schematic representation – for additional information, see product range drawing in the Download Center
Length [1]	12 mm



Technical data

Dimensions for the product

Width [w]	68.58 mm
Height [h]	14.5 mm
Pitch	7.62 mm
Height (without solder pin)	11 mm
Solder pin [P]	3.5 mm
Pin dimensions	0.5 x 1 mm
Dimension a	60.96 mm

Dimensions for PCB design

	-
Hole diameter	1.3 mm

Packaging information

Type of packaging	packed in cardboard
Pieces per package	50
Denomination packing units	Pcs.

General product information

Type of note	Note on application
Note	For safe conductor connection, always adhere to a defined tightening torque. Particularly in the case of PCB terminal blocks with two or three positions, the individual solder pin for each contact point cannot compensate for this. That is why the terminal blocks must be supported during conductor connection (held with one hand, support on the housing).

Electrical tests

Rated current	16 A
Rated insulation voltage (III/2)	630 V
Rated surge voltage (III/2)	6 kV

Air clearances and creepage distances

Insulating material group	I
Voltage	400 V
Rated insulation voltage (III/3)	400 V
Rated insulation voltage (III/2)	630 V
Rated insulation voltage (II/2)	1000 V
Rated surge voltage (III/3)	6 kV
Rated surge voltage (III/2)	6 kV
Rated surge voltage (II/2)	6 kV

Standards and Regulations

Connection in acc. with standard	EN-VDE
	CSA

Environmental Product Compliance

REACh SVHC	Lead 7439-92-1



Technical data

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50	
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"	

Approvals

Approvals

Approvals

CSA / IECEE CB Scheme / SEV / EAC / cULus Recognized

Ex Approvals

Approval details

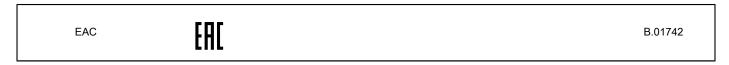
CSA	(F	http://www.csagroup.org/services-industries/product-listing/ 13631	
)	В
Nominal voltage UN	3	300 V	300 V
Nominal current IN	1	10 A	10 A
mm²/AWG/kcmil	2	28-14	28-14

IECEE CB Scheme	CB scheme	http://www.iecee.org/	CH-8225
Nominal voltage UN		400 V	
Nominal current IN		16 A	
mm²/AWG/kcmil		1.5	

SEV	SEV	https://www.electrosuisse.ch/de/meta/shop/produktezertifikate.html IK-3542-M1		IK-3542-M1
Nominal voltage UN			400 V	
Nominal current IN			16 A	
mm²/AWG/kcmil			1.5	



Approvals



cULus Recognized	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E60425-19770427	
	D	В
Nominal voltage UN	300 V	300 V
Nominal current IN	10 A	10 A
mm²/AWG/kcmil	30-14	30-14

Phoenix Contact 2018 © - all rights reserved http://www.phoenixcontact.com

PHOENIX CONTACT GmbH & Co. KG Flachsmarktstr. 8 32825 Blomberg Germany

Tel. +49 5235 300 Fax +49 5235 3 41200

http://www.phoenixcontact.com