

1828362 Datasheet

www.digi-electronics.com



<https://www.DiGi-Electronics.com>

DiGi Electronics Part Number	1828362-DG
Manufacturer	Phoenix Contact
Manufacturer Product Number	1828362
Description	TERM BLOCK PLUG 4POS 3.81MM
Detailed Description	4 Position Terminal Block Plug, Female Sockets 0.150" (3.81mm) 90° Free Hanging (In-Line)

This model 1828362 is available at DiGi Electronics.

DiGi Electronics offers a global database of semiconductor and electronic component datasheets.

We welcome your inquiries regarding pricing, lead time, or other product-related questions.

 [Request a Quote](#)

 [Datasheet Search](#)



Tel: +00 852-30501935

RFQ Email: Info@DiGi-Electronics.com

DiGi is a global authorized distributor of electronic components.

Purchase and inquiry

Manufacturer Product Number:

1828362

Series:

COMBICON MCVR

Type:

Plug, Female Sockets

Positions Per Level:

4

Pitch:

0.150" (3.81mm)

Plug Wire Entry:

90°

Mounting Type:

Free Hanging (In-Line)

Voltage - IEC:

320 V

Voltage - UL:

300 V

Wire Gauge or Range - mm²:

0.14-1.5mm²

Operating Temperature:

-

Features:

Mating Flange

Ingress Protection:

-

Torque - Screw:

0.22-0.25 Nm (1.9-2.2 Lb-In)

Contact Material:

-

Contact Tail Length:

-

Manufacturer:

Phoenix Contact

Product Status:

Active

Number of Positions:

4

Number of Levels:

1

Header Orientation:

-

Termination Style:

Screw - Rising Cage Clamp

Current - IEC:

8A

Current - UL:

8 A

Wire Gauge or Range - AWG:

14-30 AWG

Color:

Green

Contact Mating Finish:

Tin

Material Flammability Rating:

UL94 V-0

Screw Size:

M2

Wire Strip Length:

7mm

Housing Material:

Polyamide (PA), Nylon

Insulation Height:

0.752" (19.10mm)

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8536.90.4000

Moisture Sensitivity Level (MSL):

1 (Unlimited)

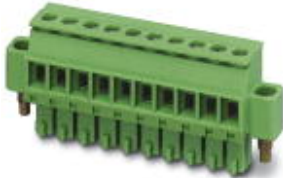
ECCN:

EAR99

Printed-circuit board connector - MCVR 1,5/ 4-STF-3,81 - 1828362

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://download.phoenixcontact.com>)

Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 4, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin



The figure shows a 10-position version of the product

Why buy this product

- Generously dimensioned wiring space
- Compact dimensions of the MCV 1,5 plug range
- Plug for vertical plug-in direction
- Individual position keying by removing the keying tab and connecting the keying profile to the header



Key commercial data

Packing unit	1
Minimum order quantity	1
Catalog page	Page 181 (CC-2011)
GTIN	 4 017918 114688
Custom tariff number	85366990
Country of origin	GERMANY

Technical data

Dimensions / positions

Height	12.5 mm
Pitch	3.81 mm
Dimension a	11.43 mm
Number of positions	4
Screw thread	M2
Tightening torque, min	0.22 Nm
Tightening torque max	0.25 Nm

Technical data

Range of articles	MCVR 1,5/..-STF
Insulating material group	I

Printed-circuit board connector - MCVR 1,5/ 4-STF-3,81 - 1828362

Technical data

Technical data

Rated surge voltage (III/3)	2.5 kV
Rated surge voltage (III/2)	2.5 kV
Rated surge voltage (II/2)	2.5 kV
Rated voltage (III/2)	160 V
Rated voltage (II/2)	320 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	8 A
Nominal voltage U_N	160 V
Nominal cross section	1.5 mm ²
Maximum load current	8 A (with 1.5 mm ² conductor cross section)
Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	A1
Stripping length	7 mm
Nominal voltage, UL/CUL Use Group B	300 V
Nominal current, UL/CUL Use Group B	8 A
Nominal voltage, UL/CUL Use Group D	300 V
Nominal current, UL/CUL Use Group D	8 A

Connection data

Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section stranded min.	0.14 mm ²
Conductor cross section stranded max.	1.5 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	1.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	0.5 mm ²
Conductor cross section AWG/kcmil min.	28
Conductor cross section AWG/kcmil max	16
2 conductors with same cross section, solid min.	0.08 mm ²
2 conductors with same cross section, solid max.	0.5 mm ²
2 conductors with same cross section, stranded min.	0.08 mm ²
2 conductors with same cross section, stranded max.	0.75 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.34 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	0.5 mm ²



Printed-circuit board connector - MCVR 1,5/ 4-STF-3,81 - 1828362

Technical data

Connection data

Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	14

Classifications

eclass

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27260704
eCl@ss 7.0	27440402

etim

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC002638

unspsc

UNSPSC 6.01	30211810
UNSPSC 7.0901	39121409
UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121409

Approvals

Approvals

Approvals

CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / GOST / IECCEB Scheme / GOST / cULus Recognized


Ex Approvals


Approvals submitted


Approval details


Printed-circuit board connector - MCVR 1,5/ 4-STF-3,81 - 1828362

Approvals


CSA 		
	B	D
mm ² /AWG/kcmil	28-16	28-16
Nominal current IN	8 A	8 A
Nominal voltage UN	300 V	300 V

UL Recognized 		
	B	D
mm ² /AWG/kcmil	30-14	30-14
Nominal current IN	8 A	8 A
Nominal voltage UN	300 V	300 V

VDE Gutachten mit Fertigungsüberwachung 	
mm ² /AWG/kcmil	0.2-1.5
Nominal current IN	8 A
Nominal voltage UN	160 V

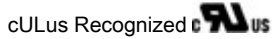
cUL Recognized 		
	B	D
mm ² /AWG/kcmil	30-14	30-14
Nominal current IN	8 A	8 A
Nominal voltage UN	300 V	300 V

GOST 	
--	--

IECEE CB Scheme 	
mm ² /AWG/kcmil	0.2-1.5
Nominal current IN	8 A
Nominal voltage UN	160 V

Printed-circuit board connector - MCVR 1,5/ 4-STF-3,81 - 1828362

Approvals



Accessories

Accessories

Marking

Marker cards - SK 3,81/2,8:FORTL.ZAHLEN - 0804109



Marker cards, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type: Adhesive, For terminal block width: 3.81 mm

Marker cards - SK U/2,8 WH:UNBEDRUCKT - 0803883



Marker cards, Sheet, white, Unlabeled, Can be labeled with: Plotter, Office-Drucksysteme, Mounting type: Adhesive

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

Tools

Screwdriver - SZS 0,4X2,5 VDE - 1205037



Screwdriver, bladed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip

Printed-circuit board connector - MCVR 1,5/ 4-STF-3,81 - 1828362

Accessories

Additional products

Base strip - DFK-MC 1,5/ 4-GF-3,81 - 1829361



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 4, Pitch: 3.81 mm, Connection method: Solder/Slip-on connection, Color: green, Contact surface: Tin, Assembly: Direct mounting

Base strip - MCDV 1,5/ 4-GF-3,81 - 1830279



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 4, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

Base strip - MCDV 1,5/ 4-G1F-3,81 - 1842788



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 4, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

Base strip - MCD 1,5/ 4-GF-3,81 - 1830127



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 4, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

Base strip - MCD 1,5/ 4-G1F-3,81 - 1842937



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 4, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

Printed-circuit board connector - MCVR 1,5/ 4-STF-3,81 - 1828362

Accessories

Printed-circuit board connector - IMC 1,5/ 4-STGF-3,81 - 1858057

Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 4, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin



Base strip - MCVU 1,5/ 4-GFD-3,81 - 1833043



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 4, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Assembly: Direct mounting

Base strip - MCVK 1,5/ 4-GF-3,81 - 1832895



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 4, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Assembly: DIN rail

Base strip - MCV 1,5/ 4-GF-3,81 - 1830619



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 4, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Base strip - MC 1,5/ 4-GF-3,81 - 1827884



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 4, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Base strip - MC 1,5/ 4-GF-3,81 THT - 1908897



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 4, Pitch: 3.81 mm, Color: Black, Contact surface: Tin, Assembly: SMD/THT/THR, User information and design recommendations on through hole reflow technology can be found at: <http://www.combicon.com>

Printed-circuit board connector - MCVR 1,5/ 4-STF-3,81 - 1828362

Accessories

Base strip - SMC 1,5/ 4-GF-3,81 - 1827444

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 4, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering



Base strip - EMCV 1,5/ 4-GF-3,81 - 1879308

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 4, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Press-in



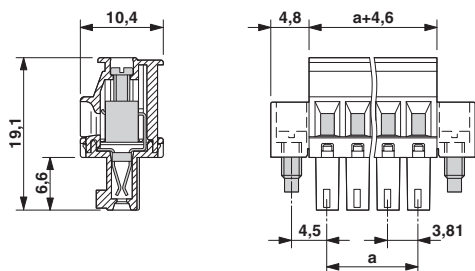
Base strip - EMC 1,5/ 4-GF-3,81 - 1896967

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 4, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Press-in



Drawings

Dimensioned drawing



OUR CERTIFICATE

DiGi provide top-quality products and perfect service for customer worldwide through standardization, technological innovation and continuous improvement. DiGi through third-party certification, we stricly control the quality of products and services. Welcome your RFQ to

Email: Info@DiGi-Electronics.com



Tel: +00 852-30501935

RFQ Email: Info@DiGi-Electronics.com

DiGi is a global authorized distributor of electronic components.