

Printed-circuit board connector - MCVR 1 5/ 3-ST-3 81 - 1827130

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 connector, nominal current: 8 A, number of positions: 3, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin


The figure shows a 10-position version of the product

Your advantages

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- Allows connection of two conductors



Key Commercial Data

Packing unit	250 pc
Minimum order quantity	250 pc
GTIN	 4 017918 114299
GTIN	4017918114299
Weight per Piece (excluding packing)	2.440 g
Custom tariff number	85366990
Country of origin	India

Technical data

Dimensions

Length [l]	10.4 mm
Width [w]	12.22 mm
Height [h]	19.1 mm
Pitch	3.81 mm
Dimension a	7.62 mm

General

Range of articles	MCVR 1,5/...-ST
-------------------	-----------------

Printed-circuit board connector - MCVR 1 5/ 3-ST-3 81 - 1827130

Technical data

General

Number of positions	3
Connection method	Screw connection with tension sleeve
Insulating material group	I
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/3)	160 V
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 cross section	1.5 mm ²
Maximum load current	8 A (with 1.5 mm ² conductor cross section)
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	A1
Stripping length	7 mm
Screw thread	M2
Tightening torque, min	0.22 Nm
Tightening torque max	0.25 Nm

Connection data

Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section flexible min.	0.14 mm ²
Conductor cross section flexible max.	1.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	1.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	0.5 mm ²
Conductor cross section AWG min.	28
Conductor cross section AWG 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

Printed-circuit board connector - MCVR 1 5/ 3-ST-3 81 - 1827130

Technical data

Connection data

2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	0.5 mm ²
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	14

Standards and Regulations

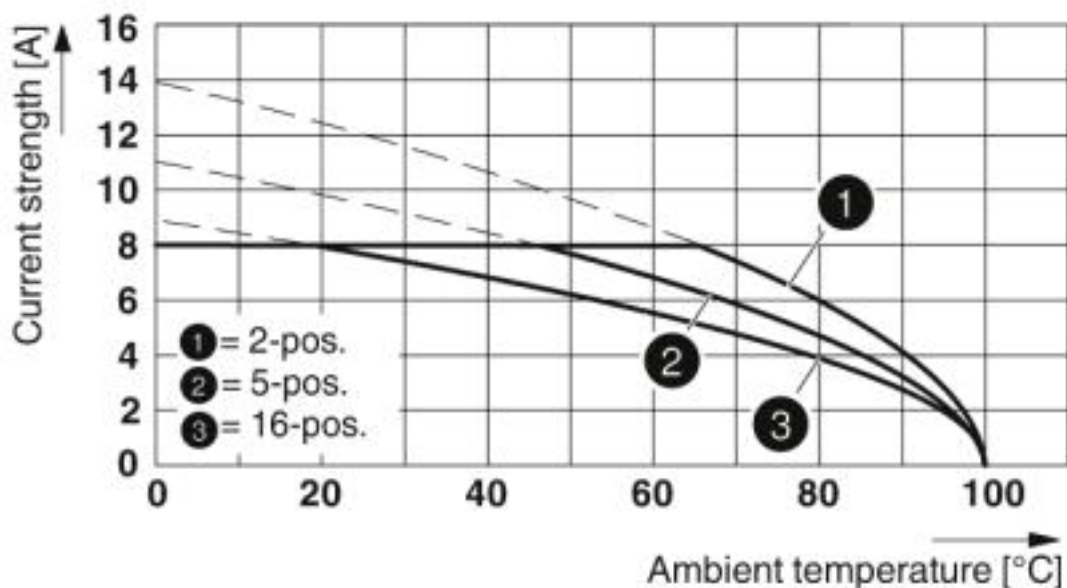
Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

Environmental Product Compliance

	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

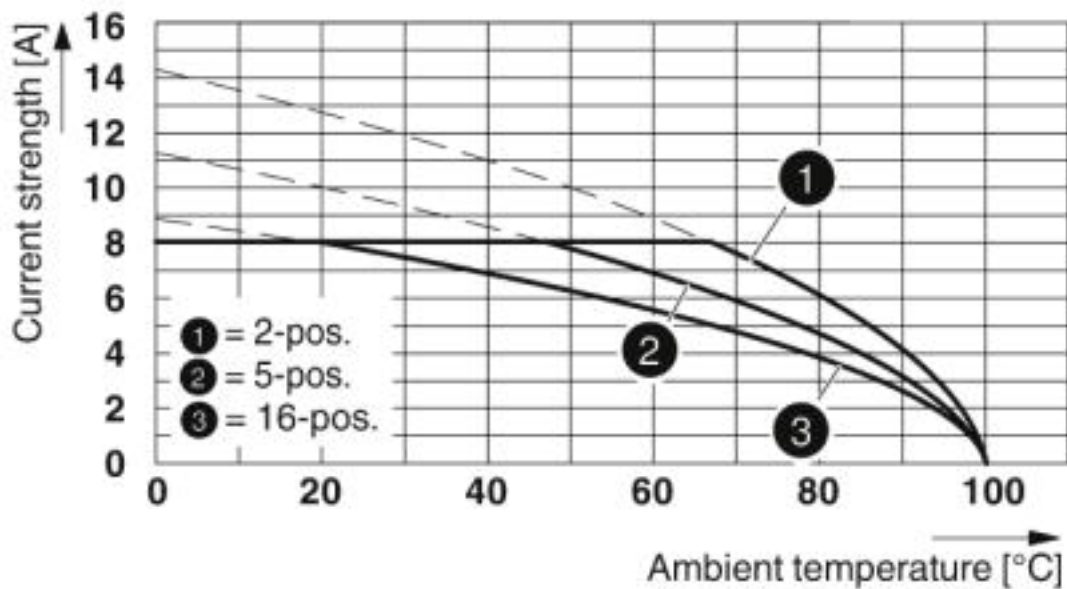
Diagram



Type: MCVR 1,5/...-ST-3,81 with MCDV 1,5/...-G-3,81

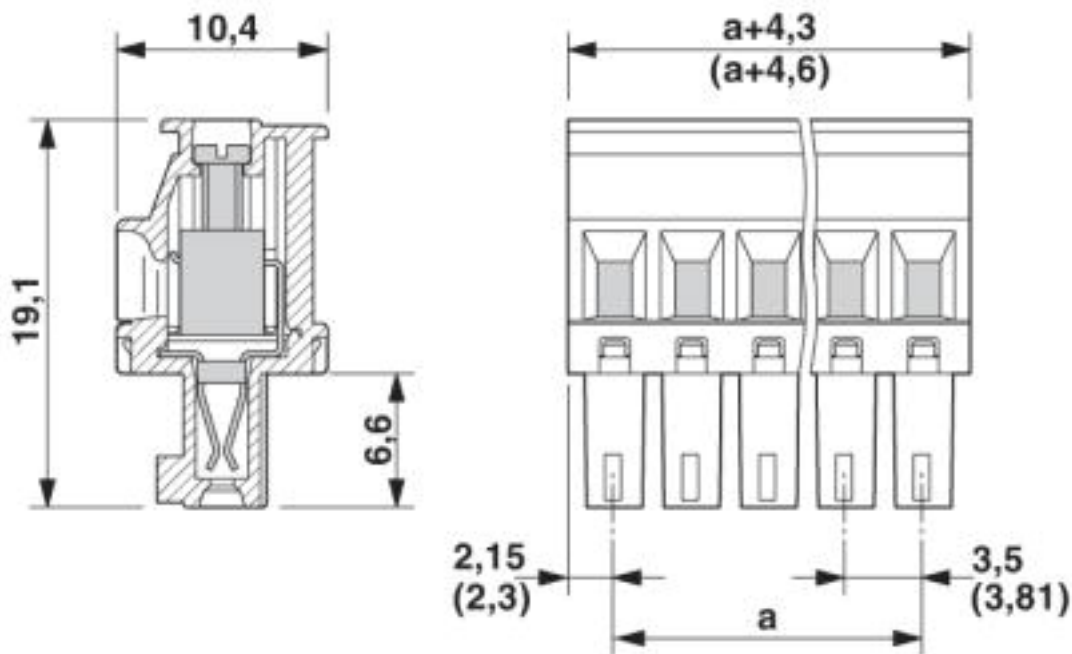
Printed-circuit board connector - MCVR 1 5/ 3-ST-3 81 - 1827130

Diagram



Type: MCVR 1,5/...-ST-3,81 with MCD 1,5/...-G-3,81

Dimensional drawing



Classifications

eCl@ss

eCl@ss 4.0	27260700
------------	----------

Printed-circuit board connector - MCVR 1 5/ 3-ST-3 81 - 1827130

Classifications

eCl@ss

eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
eCl@ss 7.0	27440309
eCl@ss 8.0	27440309
eCl@ss 9.0	27440309

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC002638
ETIM 6.0	EC002638
ETIM 7.0	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 / IECCEB CB Scheme / VDE Gutachten mit Fertigungsüberwachung / EAC / cULus Recognized

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
	B	D	
Nominal voltage UN	300 V	300 V	
Nominal current IN	8 A	8 A	
mm ² /AWG/kcmil	28-16	28-16	

Printed-circuit board connector - MCVR 1 5/ 3-ST-3 81 - 1827130

Approvals

IECEE CB Scheme	CB scheme	http://www.iecee.org/	DE1-60987-B1B2
Nominal voltage UN		160 V	
Nominal current IN		8 A	
mm ² /AWG/kcmil		0.2-1.5	

VDE Gutachten mit Fertigungsüberwachung		http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40011723
Nominal voltage UN		160 V	
Nominal current IN		8 A	
mm ² /AWG/kcmil		0.2-1.5	

EAC		B.01742
-----	--	---------

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-20110128
	B	D	
Nominal voltage UN	300 V	300 V	
Nominal current IN	8 A	8 A	
mm ² /AWG/kcmil	30-14	30-14	

Accessories

Accessories

Bridge

Insertion bridge - EBPL 2-3,81 - 1733495



Insertion bridge for plugs featuring a screw connection with a 3.81 mm pitch

Printed-circuit board connector - MCVR 1 5/ 3-ST-3 81 - 1827130

Accessories

Insertion bridge - EBPL 3-3,81 - 1733505



Insertion bridge for plugs featuring a screw connection with a 3.81 mm pitch

Labeled terminal marker

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



Marker card, 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, lettering field size: 3.81 x 2.8 mm

Marker pen

Marker pen - B-STIFT - 1051993



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

Screwdriver tools

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



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

Terminal marking

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



Marker card, Sheet, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, Office printing systems, mounting type: adhesive, for terminal block width: 210 mm, lettering field size: 186 x 2.8 mm, Number of individual labels: 3600

Printed-circuit board connector - MCVR 1 5/ 3-ST-3 81 - 1827130

Accessories

Additional products

Feed-through header - MCV 1,5/ 3-G-3,81 P14 THR - 1707010



PCB headers, nominal current: 8 A, number of positions: 3, pitch: 3.81 mm, color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

Feed-through header - MCV 1,5/ 3-G-3,81 P26 THR - 1707434



PCB headers, nominal current: 8 A, number of positions: 3, pitch: 3.81 mm, color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

Feed-through header - MCV 1,5/ 3-G-3,81 P26 THRR32 - 1712843



PCB headers, nominal current: 8 A, number of positions: 3, pitch: 3.81 mm, color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

Printed-circuit board connector - MC 1,5/ 3-G-3,81 P20 THRR32 - 1782585



PCB headers, nominal current: 8 A, number of positions: 3, pitch: 3.81 mm, color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

Printed-circuit board connector - MC 1,5/ 3-G-3,81 - 1803280



PCB headers, nominal current: 8 A, number of positions: 3, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - MCVR 1 5/ 3-ST-3 81 - 1827130

Accessories

Printed-circuit board connector - MCV 1,5/ 3-G-3,81 - 1803439



PCB headers, nominal current: 8 A, number of positions: 3, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - SMC 1,5/ 3-G-3,81 - 1827282



PCB headers, nominal current: 8 A, number of positions: 3, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering

Feed-through header - MCD 1,5/ 3-G-3,81 - 1829963



PCB headers, nominal current: 8 A, number of positions: 3, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

Feed-through header - MCDV 1,5/ 3-G-3,81 - 1830415



PCB headers, nominal current: 8 A, number of positions: 3, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

Feed-through header - MCVDU 1,5/ 3-G-3,81 - 1832701

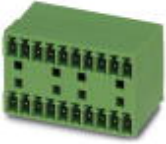


PCB headers, nominal current: 8 A, number of positions: 3, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - MCVR 1 5/ 3-ST-3 81 - 1827130

Accessories

Printed-circuit board connector - MCD 1,5/ 3-G1-3,81 - 1843088



PCB headers, nominal current: 8 A, number of positions: 3, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

Feed-through header - MCDV 1,5/ 3-G1-3,81 - 1847738



PCB headers, nominal current: 8 A, number of positions: 3, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

Feed-through header - EMCV 1,5/ 3-G-3,81 - 1860650



PCB headers, nominal current: 8 A, number of positions: 3, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Press-in technology

Feed-through header - MCO 1,5/ 3-GR-3,81 - 1861659



PCB headers, nominal current: 8 A, number of positions: 3, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering

Feed-through header - MCO 1,5/ 3-GL-3,81 - 1861730



PCB headers, nominal current: 8 A, number of positions: 3, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - MCVR 1 5/ 3-ST-3 81 - 1827130

Accessories

Feed-through header - EMC 1,5/ 3-G-3,81 - 1897814

PCB headers, nominal current: 8 A, number of positions: 3, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Press-in technology



Feed-through header - MC 1,5/ 3-G-3,81 THT - 1908774

PCB headers, number of positions: 3, pitch: 3.81 mm, color: black, User information and design recommendations for through hole reflow technology can be found under "Downloads"



Feed-through header - MC 1,5/ 3-G-3,81 THT-R56 - 1943768



PCB headers, number of positions: 3, pitch: 3.81 mm, color: black, User information and design recommendations for through hole reflow technology can be found under "Downloads"