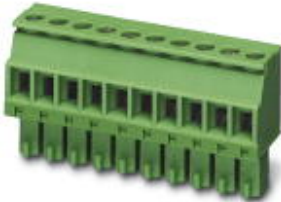


# Printed-circuit board connector - MCVR 1,5/ 3-ST-3,81 - 1827130

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Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

The figure shows a 10-position version of the product

## Product Features

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

## Key commercial data

package_quantity	50
GTIN	4017918114299

## Technical data

### Dimensions

Height	12.5 mm
Pitch	3.81 mm
Dimension a	7.62 mm

### General

Range of articles	MCVR 1,5/...-ST
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 <sup>2</sup>
Maximum load current	8 A (with 1.5 mm <sup>2</sup> conductor cross section)
Insulating material	PA
Inflammability class according to UL 94	V0

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## Technical data

### General

Internal cylindrical gage	A1
Stripping length	7 mm
Number of positions	3
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 <sup>2</sup>
Conductor cross section solid max.	1.5 mm <sup>2</sup>
Conductor cross section stranded min.	0.14 mm <sup>2</sup>
Conductor cross section stranded max.	1.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	1.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	0.5 mm <sup>2</sup>
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 <sup>2</sup>
2 conductors with same cross section, solid max.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.08 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.34 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	0.5 mm <sup>2</sup>
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	14

### classifications

#### eCl@ss

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

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## classifications

### eCl@ss

eCl@ss 7.0	27440402
eCl@ss 8.0	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

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

### Approval details

Usegroups	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	8 A	8 A
mm <sup>2</sup> /AWG/kcmil	28-16	28-16

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

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## approvals

**IECEE CB Scheme**

Nominal voltage UN	160 V
Nominal current IN	8 A
mm <sup>2</sup> /AWG/kcmil	0.2-1.5

**UL Recognized**

Usegroups	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	8 A	8 A
mm <sup>2</sup> /AWG/kcmil	30-14	30-14

**cUL Recognized**

Usegroups	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	8 A	8 A
mm <sup>2</sup> /AWG/kcmil	30-14	30-14



**CCA**

Nominal voltage UN	160 V
Nominal current IN	8 A
mm <sup>2</sup> /AWG/kcmil	0.2-1.5

**cULus Recognized**

## accessories

### Screwdriver tools

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

### accessories

SZS 0,4X2,5 VDE - 1205037



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### Labeled terminal marker

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



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### Terminal marking

SK U/2,8 WH:UNBEDRUCKT - 0803883



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### Marker pen

B-STIFT - 1051993



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### accessories

SK 3,81/2,8:SO - 0805056



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

## accessories

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### Drawings

Diagram

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

Diagram

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

Dimensioned drawing

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