

# Printed-circuit board connector - MC 1,5/ 3-ST-3,81 AU - 1857362

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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: Gold

## Key commercial data

package_quantity	50
GTIN	4017918099961

## Technical data

### Dimensions

Height	11.1 mm
Pitch	3.81 mm
Dimension a	7.62 mm

### General

Range of articles	MC 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 <sub>N</sub>	8 A
Nominal cross section	1.5 mm <sup>2</sup>
Maximum load current	8 A
Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	A 1
Stripping length	7 mm
Number of positions	3
Screw thread	M2
Tightening torque, min	0.22 Nm
Tightening torque max	0.25 Nm

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## Technical data

### 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
eCl@ss 7.0	27440402
eCl@ss 8.0	27440402

### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC002638

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## classifications

### UNSPSC

<b>UNSPSC 6.01</b>	30211810
<b>UNSPSC 7.0901</b>	39121409
<b>UNSPSC 11</b>	39121409
<b>UNSPSC 12.01</b>	39121409
<b>UNSPSC 13.2</b>	39121409

## approvals

CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / IEC60335-1 / IEC60335-2-15 / IEC60335-2-16 / IEC60335-2-17 / IEC60335-2-18 / IEC60335-2-19 / IEC60335-2-20 / IEC60335-2-21 / IEC60335-2-22 / IEC60335-2-23 / IEC60335-2-24 / IEC60335-2-25 / IEC60335-2-26 / IEC60335-2-27 / IEC60335-2-28 / IEC60335-2-29 / IEC60335-2-30 / IEC60335-2-31 / IEC60335-2-32 / IEC60335-2-33 / IEC60335-2-34 / IEC60335-2-35 / IEC60335-2-36 / IEC60335-2-37 / IEC60335-2-38 / IEC60335-2-39 / IEC60335-2-40 / IEC60335-2-41 / IEC60335-2-42 / IEC60335-2-43 / IEC60335-2-44 / IEC60335-2-45 / IEC60335-2-46 / IEC60335-2-47 / IEC60335-2-48 / IEC60335-2-49 / IEC60335-2-50 / IEC60335-2-51 / IEC60335-2-52 / IEC60335-2-53 / IEC60335-2-54 / IEC60335-2-55 / IEC60335-2-56 / IEC60335-2-57 / IEC60335-2-58 / IEC60335-2-59 / IEC60335-2-60 / IEC60335-2-61 / IEC60335-2-62 / IEC60335-2-63 / IEC60335-2-64 / IEC60335-2-65 / IEC60335-2-66 / IEC60335-2-67 / IEC60335-2-68 / IEC60335-2-69 / IEC60335-2-70 / IEC60335-2-71 / IEC60335-2-72 / IEC60335-2-73 / IEC60335-2-74 / IEC60335-2-75 / IEC60335-2-76 / IEC60335-2-77 / IEC60335-2-78 / IEC60335-2-79 / IEC60335-2-80 / IEC60335-2-81 / IEC60335-2-82 / IEC60335-2-83 / IEC60335-2-84 / IEC60335-2-85 / IEC60335-2-86 / IEC60335-2-87 / IEC60335-2-88 / IEC60335-2-89 / IEC60335-2-90 / IEC60335-2-91 / IEC60335-2-92 / IEC60335-2-93 / IEC60335-2-94 / IEC60335-2-95 / IEC60335-2-96 / IEC60335-2-97 / IEC60335-2-98 / IEC60335-2-99 / IEC60335-2-100

### 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

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

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

Usegroups	B	D
Nominal voltage UN	300 V	300 V

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## approvals

Usegroups	B	D
Nominal current I <sub>N</sub>	8 A	8 A
mm <sup>2</sup> /AWG/kcmil	30-14	30-14

IECEE CB Scheme	
Nominal voltage U <sub>N</sub>	160 V
Nominal current I <sub>N</sub>	8 A
mm <sup>2</sup> /AWG/kcmil	0.2-1.5

GOST
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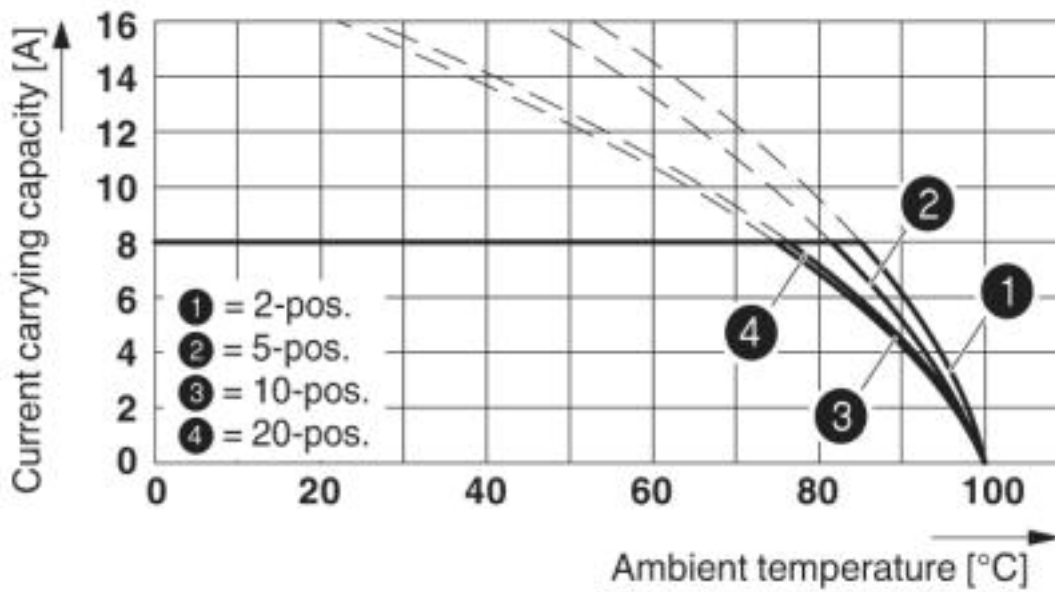
CCA	
Nominal voltage U <sub>N</sub>	160 V
Nominal current I <sub>N</sub>	8 A
mm <sup>2</sup> /AWG/kcmil	0.2-1.5

cULus Recognized
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## Drawings

# Printed-circuit board connector - MC 1,5/ 3-ST-3,81 AU - 1857362

Diagram



Diagram

Type: MC 1,5/...-ST-3,81 AU with MC 1,5/...-G-3,81 P... AU THR

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