

# Plug - MC 1,5/16-ST-3,81 - 1803714

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Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, 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
- Plug-in direction parallel to the conductor axis
- Low design height of the MC 1,5 plug range
- Individual position coding by removing the coding tab and connecting the coding profile to the header

## Key commercial data

package_quantity	50
GTIN	4017918046026

## Technical data

### Dimensions

Length	16.1 mm
Height	11.1 mm
Width	61.75 mm
Pitch	3.81 mm
Dimension a	57.15 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 $I_N$	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)

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## Technical data

### General

<b>Insulating material</b>	PA
<b>Inflammability class according to UL 94</b>	V0
<b>Internal cylindrical gage</b>	A1
<b>Stripping length</b>	7 mm
<b>Number of positions</b>	16
<b>Screw thread</b>	M2
<b>Tightening torque, min</b>	0.22 Nm
<b>Tightening torque max</b>	0.25 Nm

### Connection data

<b>Conductor cross section solid min.</b>	0.14 mm <sup>2</sup>
<b>Conductor cross section solid max.</b>	1.5 mm <sup>2</sup>
<b>Conductor cross section stranded min.</b>	0.14 mm <sup>2</sup>
<b>Conductor cross section stranded max.</b>	1.5 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule without plastic sleeve min.</b>	0.25 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule without plastic sleeve max.</b>	1.5 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule with plastic sleeve min.</b>	0.25 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule with plastic sleeve max.</b>	0.5 mm <sup>2</sup>
<b>Conductor cross section AWG/kcmil min.</b>	28
<b>Conductor cross section AWG/kcmil max</b>	16
<b>2 conductors with same cross section, solid min.</b>	0.08 mm <sup>2</sup>
<b>2 conductors with same cross section, solid max.</b>	0.5 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded min.</b>	0.08 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded max.</b>	0.75 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.</b>	0.25 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.</b>	0.34 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.</b>	0.5 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.</b>	0.5 mm <sup>2</sup>
<b>Minimum AWG according to UL/CUL</b>	30
<b>Maximum AWG according to UL/CUL</b>	14

## classifications

### eCl@ss

<b>eCl@ss 4.0</b>	272607xx
<b>eCl@ss 4.1</b>	27260701
<b>eCl@ss 5.0</b>	27260701

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## classifications

### eCl@ss

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

### UNSPSC

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

## approvals

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

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

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## approvals

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

**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

**GOST**

**IECEE CB Scheme**

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

**CCA**

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

**cULus Recognized**

## accessories

**Labeled terminal marker**

## Plug - MC 1,5/16-ST-3,81 - 1803714

accessories

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



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### Screwdriver tools

SZS 0,4X2,5 VDE - 1205037



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### Marker pen

B-STIFT - 1051993



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### Cable housing

KGG-MC 1,5/16 - 1834482



accessories

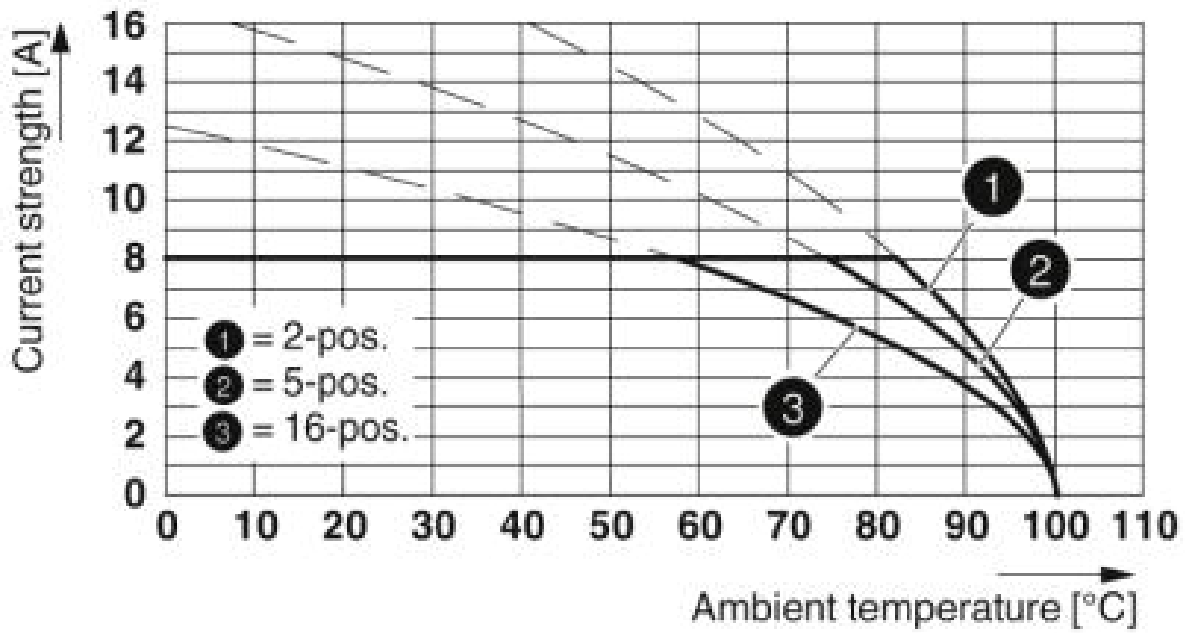
SK 3,81/2,8:UNBEDRUCKT - 0805399

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accessories

## Drawings

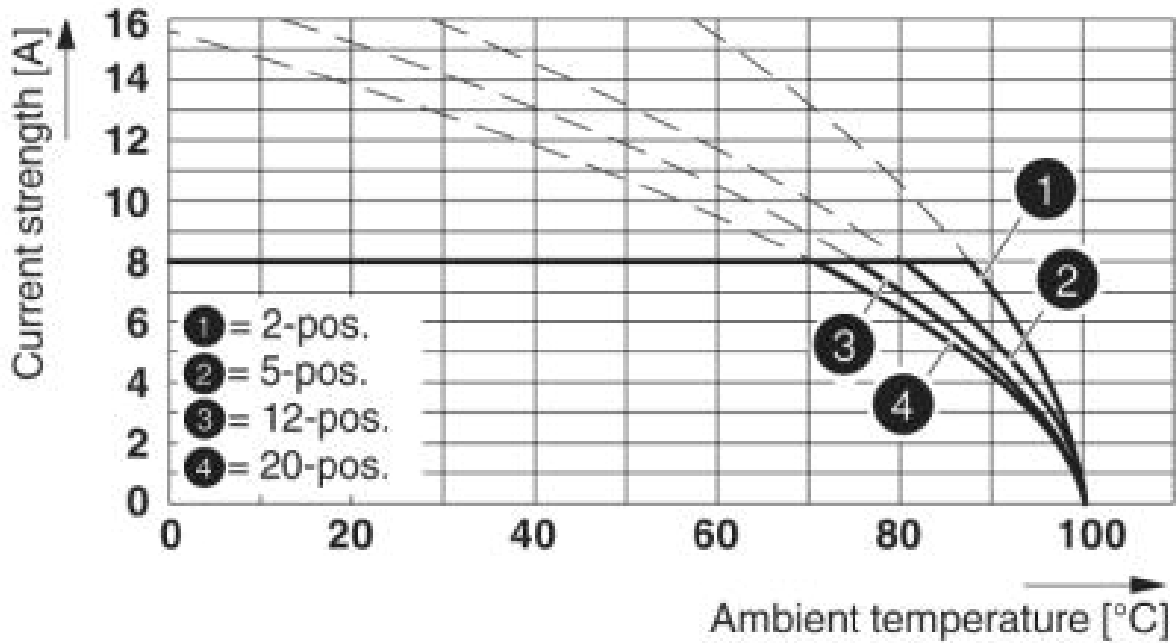
Diagram



Type: MC 1,5/...-ST-3,81 with MCD 1,5/...-G1-3,81

# Plug - MC 1,5/16-ST-3,81 - 1803714

Diagram



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

Dimensioned drawing

