

## Printed-circuit board connector - MC 1,5/11-ST-3,81 - 1803662

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Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 11, 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
- Low design height of the MC 1,5 plug range
- Plug-in direction parallel to the conductor axis
- Individual position coding by removing the coding tab and connecting the coding profile to the header



### Key commercial data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 pc  |
| GTIN                                 | <br>4 017918 045975 |
| Weight per Piece (excluding packing) | 8.35 GRM  |
| Custom tariff number                 | 85366990  |
| Country of origin                    | Germany   |

### Technical data

#### Dimensions

|             |         |
|-------------|---------|
| Height      | 11.1 mm |
| Pitch       | 3.81 mm |
| Dimension a | 38.1 mm |

#### General

|                           |               |
|---------------------------|---------------|
| Range of articles         | MC 1,5/...-ST |
| Insulating material group | I             |

## Printed-circuit board connector - MC 1,5/11-ST-3,81 - 1803662

### Technical data

#### General

|   |  |
|---|--|
| 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   |
| Internal cylindrical gage               | A1   |
| Stripping length                        | 7 mm   |
| Number of positions                     | 11   |
| 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> |

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## Technical data

### Connection data

|   |                     |
|---|---------------------|
| 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 |

### 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 CB Scheme / GOST / CCA / cULus Recognized


#### Ex Approvals

# Printed-circuit board connector - MC 1,5/11-ST-3,81 - 1803662


## Approvals

Approvals submitted


### Approval details

CSA 


|                                | B     | D     |
|--------------------------------|-------|-------|
| mm <sup>2</sup> /AWG/kcmil     | 28-16 | 28-16 |
| Nominal current I <sub>N</sub> | 8 A   | 8 A   |
| Nominal voltage U <sub>N</sub> | 300 V | 300 V |

UL Recognized 

|                                | B     | D     |
|--------------------------------|-------|-------|
| mm <sup>2</sup> /AWG/kcmil     | 30-14 | 30-14 |
| Nominal current I <sub>N</sub> | 8 A   | 8 A   |
| Nominal voltage U <sub>N</sub> | 300 V | 300 V |

VDE Gutachten mit Fertigungsüberwachung 

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

cUL Recognized 

|                                | B     | D     |
|--------------------------------|-------|-------|
| mm <sup>2</sup> /AWG/kcmil     | 30-14 | 30-14 |
| Nominal current I <sub>N</sub> | 8 A   | 8 A   |
| Nominal voltage U <sub>N</sub> | 300 V | 300 V |

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## Approvals

GOST

IECEE CB Scheme

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

GOST

CCA

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

cULus Recognized

## Accessories

### Accessories

#### Cable housing

Cable housing - KGG-MC 1,5/11 - 1834437



Cable housing, Pitch: 3.81 mm, Number of positions: 11, Dimension a: 44.3 mm, Color: green

#### Labeled terminal marker

## Printed-circuit board connector - MC 1,5/11-ST-3,81 - 1803662

### Accessories

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, Lettering field: 3.81 x 2.8 mm

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### 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

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### 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

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### Additional products

Base strip - MCDV 1,5/11-G-3,81 - 1830499



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 11, 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 - MC 1,5/11-ST-3,81 - 1803662

### Accessories

#### Base strip - MCDV 1,5/11-G1-3,81 - 1847822



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 11, 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.

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#### Base strip - MCD 1,5/11-G1-3,81 - 1843169



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 11, 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.

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#### Base strip - MCD 1,5/11-G-3,81 - 1830046



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 11, 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.

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#### Printed-circuit board connector - IMC 1,5/11-ST-3,81 - 1857977



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 11, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

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#### Base strip - MCVK 1,5/11-G-3,81 - 1832824



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 11, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Assembly: DIN rail

## Printed-circuit board connector - MC 1,5/11-ST-3,81 - 1803662

### Accessories

Base strip - MCVDU 1,5/11-G-3,81 - 1837528



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 11, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering

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Base strip - MCV 1,5/11-G-3,81 - 1803510



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 11, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering

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Base strip - MC 1,5/11-G-3,81 - 1803361



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 11, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering

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Base strip - MC 1,5/11-G-3,81 THT - 1908855



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 11, Pitch: 3.81 mm, Color: black, Contact surface: Tin, Assembly: SMD/THT/THR, User information and design recommendations for through hole reflow technology can be found under "Downloads"

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Base strip - SMC 1,5/11-G-3,81 - 1827363



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 11, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering

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# Printed-circuit board connector - MC 1,5/11-ST-3,81 - 1803662

## Accessories

Base strip - EMCV 1,5/11-G-3,81 - 1860731



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 11, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Press-in

Base strip - EMC 1,5/11-G-3,81 - 1897898



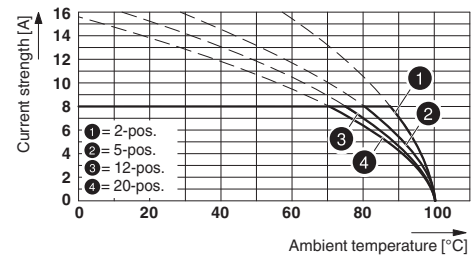
Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 11, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Press-in

## Drawings

Diagram

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

Diagram



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

Dimensioned drawing

