

## Base strip - MC 1,5/18-G-3,81 - 1841297

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Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 18, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering



The figure shows a 10-position version of the product

### Product Features

- Low-profile pin strips with compact pitches
- Plug-in direction parallel and vertical to the PCB
- Individual position coding by inserting coding profiles



### Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 1 pc                                                                                                    |
| GTIN                                 | <br>4 017918 052157 |
| Weight per Piece (excluding packing) | 4.84 g                                                                                                  |
| Custom tariff number                 | 85366990                                                                                                |
| Country of origin                    | Germany                                                                                                 |

### Technical data

#### Dimensions

|                       |          |
|-----------------------|----------|
| Length                | 9.2 mm   |
| Pitch                 | 3.81 mm  |
| Dimension a           | 64.77 mm |
| Width                 | 69.97 mm |
| Constructional height | 7.25 mm  |
| Height                | 10.65 mm |

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### Technical data

#### Dimensions

|                          |              |
|--------------------------|--------------|
| Length of the solder pin | 3.4 mm       |
| Pin dimensions           | 0,8 x 0,8 mm |
| Hole diameter            | 1.2 mm       |

#### General

|                                        |              |
|----------------------------------------|--------------|
| Range of articles                      | MC 1,5/...-G |
| Insulating material group              | IIIa         |
| 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)                   | 250 V        |
| Connection in acc. with standard       | EN-VDE       |
| Nominal current $I_N$                  | 8 A          |
| Maximum load current                   | 8 A          |
| Insulating material                    | PBT          |
| Flammability rating according to UL 94 | V0           |
| Color                                  | green        |
| Number of positions                    | 18           |

#### Standards and Regulations

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

### 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 |
| eCl@ss 9.0 | 27440402 |

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### Classifications

#### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002637 |
| ETIM 5.0 | EC002637 |

#### UNSPSC

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

### Approvals

#### Approvals

#### Approvals

CSA / VDE Gutachten mit Fertigungsüberwachung / IECEx CB Scheme / CCA / EAC / cULus Recognized / EAC

#### Ex Approvals

#### Approvals submitted

#### Approval details

|                                                                                         |       |       |
|-----------------------------------------------------------------------------------------|-------|-------|
| CSA  |       |       |
|                                                                                         | B     | D     |
| Nominal current I <sub>N</sub>                                                          | 8 A   | 8 A   |
| Nominal voltage U <sub>N</sub>                                                          | 300 V | 300 V |

|                                                                                                                             |     |
|-----------------------------------------------------------------------------------------------------------------------------|-----|
| VDE Gutachten mit Fertigungsüberwachung  |     |
| Nominal current I <sub>N</sub>                                                                                              | 8 A |

## Base strip - MC 1,5/18-G-3,81 - 1841297

### Approvals

|                    |       |
|--------------------|-------|
| Nominal voltage UN | 160 V |
|--------------------|-------|

|                                                                                                   |       |
|---------------------------------------------------------------------------------------------------|-------|
| IECEE CB Scheme  |       |
| Nominal current IN                                                                                | 8 A   |
| Nominal voltage UN                                                                                | 160 V |

|                    |       |
|--------------------|-------|
| CCA                |       |
| Nominal current IN | 8 A   |
| Nominal voltage UN | 160 V |

|     |
|-----|
| EAC |
|-----|

|                    |       |       |
|--------------------|-------|-------|
| cULus Recognized   |       |       |
|                    | B     | D     |
| Nominal current IN | 8 A   | 8 A   |
| Nominal voltage UN | 300 V | 300 V |

|     |
|-----|
| EAC |
|-----|

### Accessories

Accessories

Coding element

Coding profile - CP-MSTB - 1734634

Coding profile, is inserted into the slot on the plug or inverted header, red insulating material



Labeled terminal marker

## Base strip - MC 1,5/18-G-3,81 - 1841297

### Accessories

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: 3.81 x 2.8 mm

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Fiber optics - MC 1,5/10-LWL 1,5-3,81 - 1841174

Fiber optics, Pitch: 3.81 mm, Number of positions: 10, Dimension a: 1.5 mm, Color: transparent



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Fiber optics - MC 1,5/10-LWL 2,3-3,81 - 1841190

Fiber optics, Pitch: 3.81 mm, Number of positions: 10, Dimension a: 2.3 mm, Color: transparent



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Fiber optics - MC 1,5/10-LWL 4-3,81 - 1841213

Fiber optics, Pitch: 3.81 mm, Number of positions: 10, Dimension a: 4 mm, Color: transparent



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### Additional products

Printed-circuit board connector - FMC 1,5/18-ST-3,81 - 1748134



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 18, Pitch: 3.81 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

## Base strip - MC 1,5/18-G-3,81 - 1841297

### Accessories

Printed-circuit board connector - MC 1,5/18-ST-3,81 - 1840337



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 18, Pitch: 3.81 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

Printed-circuit board connector - FRONT-MC 1,5/18-ST-3,81 - 1850822



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 18, Pitch: 3.81 mm, Connection method: Front screw connection, Color: green, Contact surface: Tin

Printed-circuit board connector - FK-MCP 1,5/18-ST-3,81 - 1851203



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 18, Pitch: 3.81 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

Printed-circuit board connector - MCC 1/18-STZ-3,81 - 1852338

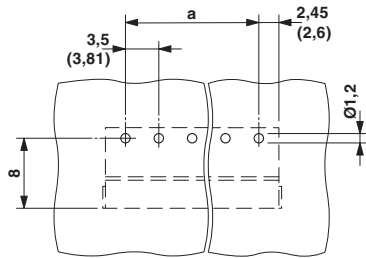


Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 18, Pitch: 3.81 mm, Connection method: Crimp connection, Color: green, Corresponding female crimp contacts with current [A] and conductor cross section range [mm²] data: 5A/MCC-MT 0,2-0,35 (1859988); 8A/MCC-MT 0,5-1,0 (1859991)

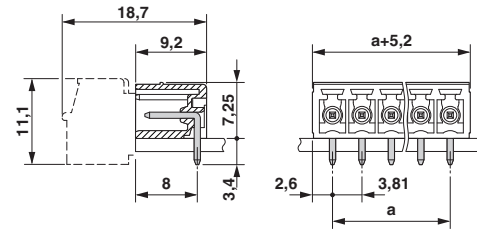
### Drawings

## Base strip - MC 1,5/18-G-3,81 - 1841297

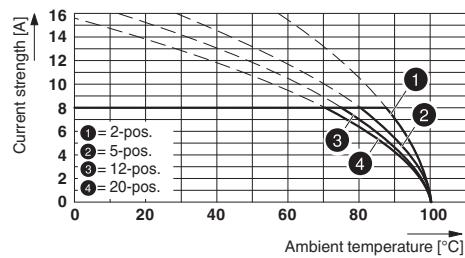
Drilling diagram



Dimensional drawing



Diagram



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

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