

## Base strip - MCD 1,5/16-G1F-3,81 - 1843062

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Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.


The figure shows a 10-pos. version with 20 contacts

### Product Features

- Plug-in direction parallel to the PCB
- Low-profile double-level pin strips with high contact density



### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 pc  |
| GTIN                                 | <br>4 017918 052171 |
| Weight per Piece (excluding packing) | 21.98 g   |
| Custom tariff number                 | 85366990  |
| Country of origin                    | Germany   |

### Technical data

#### Dimensions

|                          |          |
|--------------------------|----------|
| Length                   | 21.9 mm  |
| Pitch                    | 3.81 mm  |
| Dimension a              | 57.15 mm |
| Width                    | 71.35 mm |
| Constructional height    | 22.7 mm  |
| Height                   | 26.2 mm  |
| Length of the solder pin | 3.5 mm   |

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### Technical data

#### Dimensions

|                |              |
|----------------|--------------|
| Pin dimensions | 0,8 x 0,8 mm |
| Hole diameter  | 1.2 mm       |

#### General

|  |                 |
|--|-----------------|
| Range of articles                      | MCD 1,5/...-G1F |
| 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             |
| Maximum load current                   | 8 A             |
| Insulating material                    | PA              |
| Flammability rating according to UL 94 | V0              |
| Color                                  | green           |
| Number of positions                    | 16              |

#### 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 / cUL Recognized / 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 |

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### Approvals

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

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

## Base strip - MCD 1,5/16-G1F-3,81 - 1843062

### Accessories

Coding profile - CP-MSTB - 1734634

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



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### Labeled terminal marker

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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### Additional products

Printed-circuit board connector - FMC 1,5/16-STF-3,81 - 1748493



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.81 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

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Printed-circuit board connector - MC 1,5/16-STF-3,81 - 1827842



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.81 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

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Printed-circuit board connector - MCVR 1,5/16-STF-3,81 - 1828485



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.81 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

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### Accessories

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#### Printed-circuit board connector - MCVW 1,5/16-STF-3,81 - 1828634



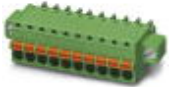
Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.81 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

#### Printed-circuit board connector - FRONT-MC 1,5/16-STF-3,81 - 1850990



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.81 mm, Connection method: Front screw connection, Color: green, Contact surface: Tin

#### Printed-circuit board connector - FK-MCP 1,5/16-STF-3,81 - 1851371



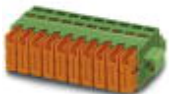
Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.81 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

#### Printed-circuit board connector - MCC 1/16-STZF-3,81 - 1852503



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.81 mm, Connection method: Crimp connection, Color: green, Corresponding female crimp contacts with current [A] and conductor cross section range [mm<sup>2</sup>] data: 5A/MCC-MT 0,2-0,35 (1859988); 8A/MCC-MT 0,5-1,0 (1859991)

#### Printed-circuit board connector - QC 0,5/16-STF-3,81 - 1897681

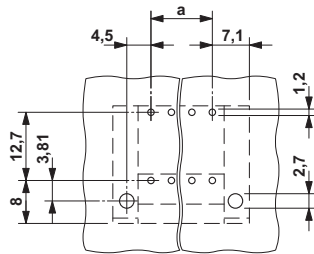


Plug component, Nominal current: 6 A, Rated voltage (III/2): 200 V, Number of positions: 16, Pitch: 3.81 mm, Connection method: Displacement connection, Color: green, Contact surface: Tin

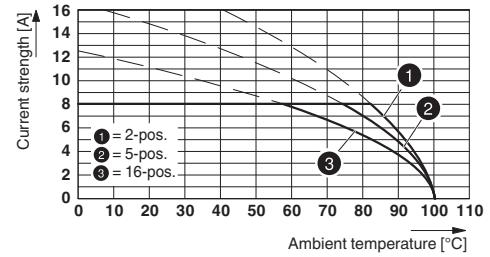
# Base strip - MCD 1,5/16-G1F-3,81 - 1843062

## Drawings

Drilling diagram

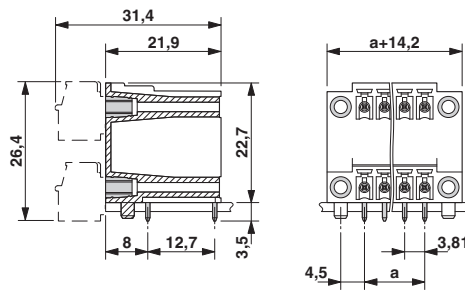


Diagram



Type: MC 1,5/...-STF-3,81 with MCD 1,5/...-G1F-3,81

Dimensional drawing



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